

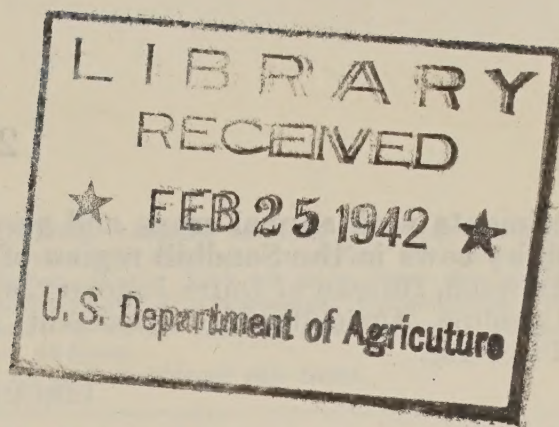
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## United States Department of Agriculture

### MONTHLY LIST OF PUBLICATIONS

JANUARY 1942

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Free distribution of technical material and periodicals is restricted.

This monthly list will be sent free on request made to the Office of Information, U. S. Department of Agriculture, Washington, D. C.

#### FARMERS' BULLETINS

- Growing alfalfa.** H. L. Westover, Bureau of Plant Industry. 29 p., illus. (F. B. 1722F., rev.) Price 10¢.
- Apple varieties and important producing sections of the United States.** J. R. Magness, Bureau of Plant Industry. 32 p., illus. (F. B. 1883F.) Price 10¢.
- Reducing losses from tree diseases in eastern forests and farm woodlands.** George H. Hepting, Bureau of Plant Industry. 22 p., illus. (F. B. 1887F.) Price 10¢.
- Fireplaces and chimneys.** Arthur H. Senner and Thomas A. H. Miller, Bureau of Agricultural Chemistry and Engineering. 52 p., illus. (F. B. 1889F.) Price 40¢.
- Diseases of strawberries.** J. B. Demaree, Bureau of Plant Industry. 27 p., illus. (F. B. 1891F.) Price 10¢.
- Pruning southern pines.** Wilbur R. Mattoon, Forest Service. 34 p., illus. (F. B. 1892F.) Price 10¢.

#### LEAFLETS

- The sand wireworm.** J. N. Tenhet, Bureau of Entomology and Plant Quarantine. 8 p., illus. (Leaf. 212L.) Price 5¢.

#### TECHNICAL BULLETINS

- Field studies of insecticides used to control cabbage caterpillars in the South.** W. J. Reid, Jr., Chas. E. Smith, L. B. Reed, and W. A. Thomas, Bureau of Entomology and Plant Quarantine, in cooperation with the Agricultural Experiment Stations of Louisiana and South Carolina. 36 p., illus. (T. B. 782T.) Price 10¢.
- Relative effectiveness of acid lead arsenate and other materials as stomach poisons for the larvae of the Japanese beetle.** Walter E. Fleming, Bureau of Entomology and Plant Quarantine. 32 p. (T. B. 788T.) Price 10¢.
- Erodibility investigations on some soils of the upper Gila watershed.** Joel E. Fletcher and E. L. Beutner, Soil Conservation Service, and the Arizona Agricultural Experiment Station Cooperating in Research. 32 p., illus. (T. B. 794T.) Price 10¢.
- Methods of forecasting timber growth in irregular stands.** W. G. Wahlenberg, Forest Service. 56 p., illus. (T. B. 796T.) Price 15¢.
- Serviceability of selected types of cotton and rayon knit underwear.** Ruth Elmquist Rogers and Margaret B. Hays, Bureau of Home Economics; and John J. Brown, Bureau of Agricultural Economics. 22 p., illus. (T. B. 803T.) Price 5¢.



**Experiments with annual crops and permanent pastures to provide grazing for dairy cows in the Sandhill region of the Southeast.** E. W. Faires and J. R. Dawson, Bureau of Dairy Industry, and J. P. LaMaster and G. H. Wise, South Carolina Agricultural Experiment Station. 42 p., illus. (T. B. 805T.) Price 10¢.

#### CIRCULARS

**The freezing temperatures of some fruits, vegetables, and florists' stocks.** R. C. Wright, Bureau of Plant Industry. 12 p. (Cir. 447C, rev.) Price 5¢.

**Harvesting pyrethrum.** A. F. Sievers and M. S. Lowman, Bureau of Plant Industry; and W. M. Hurst, Bureau of Agricultural Chemistry and Engineering. 28 p., illus. (Cir. 581C.) Price 5¢.

**Observations on the biology and control of the treehopper *Helivia praealta* (Fowler) in orchards of the Pacific Northwest.** M. A. Yothers and Paul B. Allen, Jr., Bureau of Entomology and Plant Quarantine. 12 p., illus. (Cir. 606C.) Price 10¢.

**Studies on the control of cabbage caterpillars with derris in the South.** W. J. Reid, Jr., C. E. Smith, L. B. Reed, and C. O. Bare, Bureau of Entomology and Plant Quarantine; in cooperation with the Agricultural Experiment Stations of Louisiana and South Carolina. 27 p., illus. (Cir. 615C.) Price 10¢.

**The comparative winter hardiness of oat varieties.** Franklin A. Coffman, Bureau of Plant Industry. 35 p., illus. (Cir. 622C.) Price 10¢.

**Birdsfoot trefoil and big trefoil.** Roland McKee and H. A. Schoth, Bureau of Plant Industry. 14 p., illus. (Cir. 625C.) Price 5¢.

**Control of the locust borer.** Ralph C. Hall, Bureau of Entomology and Plant Quarantine, in cooperation with the Forest Service and Ohio State University. 19 p., illus. (Cir. 626C.) Price 5¢.

**Fruit pressure testers and their practical applications.** Mark H. Haller, Bureau of Plant Industry. 22 p., illus. (Cir. 627C.) Price 5¢.

**Soybean and Korean lespedeza hays compared with alfalfa for wintering beef calves.** Earl W. McComas and M. W. Hazen, Bureau of Animal Industry; and James E. Comfort, University of Missouri. 8 p. (Cir. 629C.) Price 5¢.

#### SERVICE AND REGULATORY ANNOUNCEMENTS

**Regulations of the Secretary of Agriculture under the United States Grain Standards Act as amended.** Effective August 26, 1941. Service and regulatory announcements No. 148. Agricultural Marketing Service. (S. R. A.-A. M. S. 148). 17 p.<sup>1</sup>

**Regulations for the enforcement of the Insecticide Act of 1910.** Service and regulatory announcements No. 162. October 1941. Agricultural Marketing Service. (S. R. A.-A. M. S. 162.) 9 p.<sup>1</sup>

**Notices of judgment under the Insecticide Act.** Agricultural Marketing Service. Pp. 517-525. (N. J., I. F. 1790-1800).<sup>1</sup>

#### OTHER PUBLICATIONS

**DN-4. Suggestions for panel discussions.** Bureau of Agricultural Economics. Folder.

**A study of the adult populations of the West Indian fruitfly in citrus plantings in Puerto Rico.** L. C. McAlister, Jr., W. A. McCubbin, G. A. Pfaffman, W. T. Owrey, H. G. Taylor, and I. W. Berryhill, Bureau of Entomology and Plant Quarantine. 16 p., illus. (Puerto Rico Bulletin 41.) Price 10¢. For sale only.

**Annual report of the Manager of the Federal Crop Insurance Corporation, 1941.** Leroy K. Smith. 25 p. Price 10¢.

**Report of the Chief of the Agricultural Marketing Service, 1941.** C. W. Kitchen. 55 p. Price 10¢. For sale only.

<sup>1</sup> These may be obtained free upon application to the issuing bureau.



Indicate below, by numbers IN NUMERICAL ORDER, bulletin desired. In order to assure prompt delivery, detach this frank and return in stamped envelope to Office of Information, United States Department of Agriculture, Washington, D. C. List no more than five publications. If more are desired, please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication. Requests for change of address must show old as well as new address.

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Farmers' Bulletins	Leaflets	Other publications

Report of the Chief of the Bureau of Agricultural Chemistry and Engineering, 1941. Henry G. Knight. 86 p. Price 15¢.

Report of the Chief of the Bureau of Plant Industry, 1941. E. C. Auchter. 54 p. Price 10¢.

Report of the Chief of the Commodity Exchange Administration, 1941. J. M. Mehl. 45 p. Price 10¢.

Report of the Secretary of Agriculture, 1941. Claude R. Wickard. 245 p. Price 25¢.

#### PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

**Agricultural situation.** Vol. 26, No. 1, January 1942. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.<sup>2</sup>

**Agriculture in the Americas.** Index, Vol. 1, February–December 1941; Vol. 2, No. 2, January 1942. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.20 a year, foreign.<sup>2</sup>

**Experiment station record.** Vol. 84, Index number; Vol. 86, No. 1, January; No. 2, February 1942. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign.<sup>2</sup> Single numbers for sale only. Price 15¢.

**Extension service review.** Vol. 13, No. 1, January 1942. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.15 a year, foreign.<sup>2</sup>

**Fire control notes.** Vol. 6, No. 1, January 1942. Price, 15¢ a copy; 50¢ a year, domestic.<sup>2</sup>

**Journal of agricultural research.** Price, \$3.25 a year, domestic; \$4.75 a year foreign. Each issue, 15¢, domestic; 20¢ foreign. Separates, 5¢, domestic; 8¢, foreign.<sup>2</sup> Not distributed free to individuals.

**Separates.** A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. The Office of Information has none for general distribution.

G-1206. (In Vol. 63, No. 6.) Effect of stage of maturity at time of harvest on germination of sweet corn. C. W. Culpepper and H. H. Moon.

G-1213. (In Vol. 63, No. 3.) Inheritance studies on duration of developmental stages in crosses within the genus *Lycopersicon*. LeRoy Powers and Channing B. Lyon.

G-1216. (In Vol. 63, No. 8.) Inheritance of seed characters in watermelon. Charles F. Poole, Paul C. Grimball, and D. R. Porter.

G-1221. (In Vol. 63, No. 7.) Inheritance of rust reaction in a cross between the flax varieties Buda and J. W. S. H. H. Flor.

G-1222. (In Vol. 63, No. 7.) A genetic study of common bean mosaic under conditions of natural field transmission. B. L. Wade and C. F. Andrus.

<sup>2</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.



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- G-1225. (In Vol. 63, No. 8.) Increased size and nicotine production in selections from intraspecific hybrids of *Nicotiana rustica*. Harold H. Smith and Charles W. Bacon.
- G-1226. (In Vol. 63, No. 8.) Some factors that influence the immediate effects of pollen on boll characters in cotton. H. J. Fulton.
- G-1227. (In Vol. 63, No. 10.) Inheritance of resistance to six physiologic races of bean rust. W. J. Zaumeyer and L. L. Harter.
- G-1228. (In Vol. 63, No. 11.) Meiotic behavior of *Phleum pratense*, *Phleum subulatum*, and their  $F_1$  hybrid. W. M. Myers.
- G-1229. (In Vol. 63, No. 11.) Genetic studies of variegation in snap beans. B. L. Wade.
- G-1231. (In Vol. 63, No. 8.) Chlorate toxicity and persistence in relation to soil reaction. Annie M. Hurd-Karrer.
- G-1232. (In Vol. 63, No. 10.) Effect of different soil colloids on the toxicity of sodium selenite to millet. P. L. Gile and H. W. Lakin.
- K-314. (In Vol. 63, No. 11.) Relation between wetting power of a spray and its initial retention by a fruit surface. H. L. Cupples.
- Calif.-118. (In Vol. 63, No. 7.) Root rot of pepper and pumpkin caused by *Phytophthora capsici*. C. M. Tompkins and C. M. Tucker.
- Calif.-119. (In Vol. 63, No. 11.) A mosaic disease of *Primula obconica* and its control. C. M. Tompkins and John T. Middleton.
- Minn.-118. (In Vol. 63, No. 11.) Meeting the vitamin D requirement of pigs with alfalfa hay and winter sunshine. D. W. Johnson and L. S. Palmer.
- N. Y. (Cornell)-49. (In Vol. 63, No. 6.) The causes of stillbirth in swine and an attempt to control it. S. A. Asdell and J. P. Willman.
- Oreg.-20. (In Vol. 63, No. 11.) Iodine in relation to plant nutrition. J. C. Lewis and W. L. Powers.
- S. Dak.-6. (In Vol. 63, No. 7.) A study of sampling in cross-section measurements of wool fiber. Barbara Bailey.
- S. Dak.-7. (In Vol. 63, No. 10.) Physical and chemical properties of flannels containing different proportions of new and reprocessed wool. Barbara Bailey.
- Wash.-38. (In Vol. 63, No. 7.) The chemical composition and apparent digestibility of nutrients in smooth brome grass harvested in three stages of maturity. Jerry Sotola.
- Wis.-130. (In Vol. 63, No. 7.) Growth substance in crown gall as related to time after inoculation, critical temperature, and diffusion. A. J. Riker, Berch Henry, and B. M. Duggar.
- Wis.-131. (In Vol. 63, No. 9.) A comparison of *Fusarium avenaceum*, *F. oxysporum*, and *F. solani* var. *eumartii* in relation to potato wilt in Wisconsin. John G. McLean and J. C. Walker.

Vol. 64, No. 1, January 1; No. 2, January 15, 1942.

Land policy review. Index, Vol. 4, 1941; Vol. 5, No. 1, January 1942. Price 5¢ a copy; 50¢ a year, domestic.<sup>2</sup>

News for farmer cooperatives. Vol. 8, No. 9, December 1942. Price 10¢ a copy; \$1 a year, domestic.<sup>2</sup>

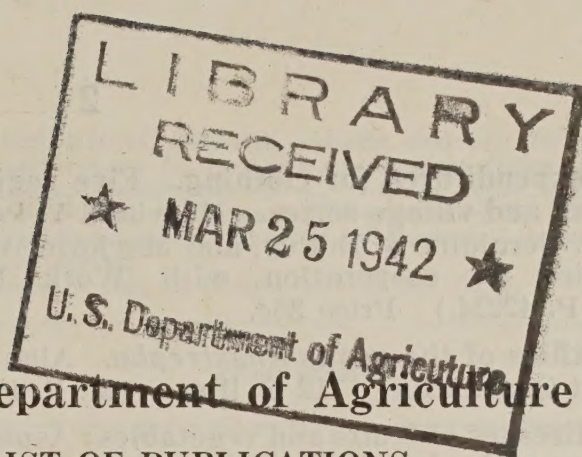
Rural electrification news. Vol. 7, No. 5, January 1942. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.<sup>2</sup>

Soil conservation. Vol. 7, No. 7, January 1942. Price 10¢ a copy; \$1 a year, year, domestic; \$1.50 a year, foreign.<sup>2</sup>

<sup>2</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.



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## United States Department of Agriculture

### MONTHLY LIST OF PUBLICATIONS

FEBRUARY 1942

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#### FARMERS' BULLETINS

**Strawberry culture: Western United States.** George M. Darrow and George F. Waldo, Bureau of Plant Industry. 26 p., illus. (F. B. 1027F., rev.) Price 10¢.

**Dairy cattle breeds.** Amer B. Nystrom, Bureau of Dairy Industry. 34 p., illus. (F. B. 1443F., rev.) Price 10¢.

**Control of insects attacking grain in farm storage.** R. T. Cotton, Bureau of Entomology and Plant Quarantine. 24 p., illus. (F. B. 1811F., rev.) Price 10¢.

**Treatment of white pines infected with blister rust.** J. F. Martin, Bureau of Entomology and Plant Quarantine, and G. F. Gravatt, Bureau of Plant Industry. 28 p., illus. (F. B. 1835F.) Price 10¢.

**Control of grape diseases and insects in eastern United States.** J. B. Demaree, Bureau of Plant Industry, and G. A. Runner, Bureau of Entomology and Plant Industry. 28 p., illus. (F. B. 1893F.) Price 10¢.

#### TECHNICAL BULLETINS

**The anatomy of the seedling and roots of the Valencia orange.** H. E. Hayward and E. M. Long, Bureau of Plant Industry. 32 p., illus. (T. B. 786T.) Price 10¢.

**Wool characteristics in relation to Navajo weaving.** James O. Grandstaff, Bureau of Animal Industry. 36 p., illus. (T. B. 790T.) Price 20¢.

**Insectical efficiency of some oils of plant origin.** A. W. Cheesman and Lynn H. Dawsey, Bureau of Entomology and Plant Quarantine. 15 p., illus. (T. B. 801T.) Price 5¢.

#### CIRCULARS

**The wax moth and its control.** Warren Whitcomb, Jr., Bureau of Entomology and Plant Quarantine. 11 p., illus. (Cir. 386C., rev.) Price 5¢.

**Rice-field insects.** W. A. Douglas and J. W. Ingram, Bureau of Entomology and Plant Quarantine, in cooperation with the Louisiana Agricultural Experiment Station. 32 p., illus. (Cir. 632C.) Price 10¢.

#### MISCELLANEOUS PUBLICATIONS

**Atlas of climatic types in the United States, 1900-1939.** C. W. Thornthwaite, Soil Conservation Service, in cooperation with Weather Bureau and Work Projects Administration. 7 p., 96 plates. (M. P. 421M.) Price \$1.25. For sale only.



- Family expenditures for clothing. Five regions. Consumer purchases study. Urban and village series.** Maryland Y. Pennell, Day Monroe, Kathryn Cronister, Geraldine S. DePuy, and Marjorie W. Ellsworth, Bureau of Home Economics, in cooperation with Work Projects Administration. 329 p. (M. P. 422M.) Price 35¢.
- The fruitflies of the genus *Anastrepha*.** Alan Stone, Bureau of Entomology and Plant Quarantine. 112 p., illus. (M. P. 439M.) Price 40¢.
- Market diseases of fruits and vegetables: Asparagus, onions, beans, peas, carrots, celery, and related vegetables.** Glen B. Ramsey and James S. Wiant, Bureau of Plant Industry. 70 p., illus. (M. P. 440M.) Price 35¢. For sale only.
- A bibliography on the agriculture of the American Indians.** Everett E. Edwards and Wayne D. Rasmussen, Bureau of Agricultural Economics. 107 p. (M. P. 447M.) Price 15¢.
- Family food consumption and dietary levels. Five regions. Consumer purchases study. Urban and village series.** Hazel K. Stiebeling, Day Monroe, Esther F. Phipard, Sayde F. Adelson, and Faith Clark, Bureau of Home Economics, in cooperation with Work Projects Administration. 1268 p. (M. P. 452M.) Price 30¢.
- Women's measurements for garment and pattern construction.** Ruth O'Brien and William C. Shelton, Bureau of Home Economics. 73 p., illus. (M. P. 454M.) Price 40¢.
- Family expenditures for housing and household operation. Five regions. Consumer purchases study. Farm series.** Hazel Kyrk, Day Monroe, Dorothy S. Brady, Colette Rosenstiel, and Edith Dyer Rainboth, Bureau of Home Economics, in cooperation with Work Projects Administration. 201 p., illus. (M. P. 457M.) Price 25¢.
- Film strips of the U. S. Department of Agriculture.** 20 p. (M. P. 458M., rev.)
- Revision of the bark beetles belonging to the genus *Pseudohylesinus* Swaine.** M. W. Blackman, Bureau of Entomology and Plant Quarantine. 32 p., illus. (M. P. 461M.) Price 10¢.
- A method of estimating the economic effects of planned conservation on an individual farm.** Arthur C. Bunce, Iowa State College and Soil Conservation Service, and George W. Collier, Soil Conservation Service, in cooperation with the Bureau of Agricultural Economics and the Iowa Agricultural Experiment Station. 28 p. (M. P. 463M.) Price 10¢.
- Changes in assets and liabilities of families. Five regions. Consumer purchases study. Urban, village, and farm series.** Dorothy S. Brady, Day Monroe, Janet Murray, Yetta A. Carmel, and Marjorie W. Ellsworth, Bureau of Home Economics in cooperation with Work Projects Administration. 226 p. (M. P. 464M.) Price 25¢.
- Raspberry fruitworms and related species.** H. S. Barber, Bureau of Entomology and Plant Quarantine. 32 p. (M. P. 468M.) Price 10¢.
- Production of naval stores.** Naval Stores Research Division, Bureau of Agricultural Chemistry and Engineering. 10 p., illus. (M. P. 476M.) Price 5¢.
- Watch your step. Farm safety for national defense.** Wellington Brink, Soil Conservation Service. 32 p., illus. (M. P. 481M.) Price 10¢.

#### SERVICE AND REGULATORY ANNOUNCEMENTS

- Revocation of regulation requiring notices of shipments.** Bureau of Animal Industry. 1 p. (Sec. 111.2 of amdt. 15 to B. A. I. Order 276.)<sup>1</sup>
- Bureau of Animal Industry. Service and regulatory announcements. December 1941.** Pp. 105-111. (S. R. A., B. A. I. 416). Price 5¢ a copy, 25¢ a year.<sup>2</sup>

<sup>1</sup> These may be obtained free upon application to the issuing bureau.

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Farmers' Bulletins	Leaflets	Other publications

SOIL SURVEYS

- Georgia, Catoosa County. (No. 4, Series 1937.) 57 p., illus. Price 40¢.
- Iowa, Story County. (No. 9, Series 1936.) 59 p., illus. Price 25¢.
- Nebraska, Hitchcock County. (No. 8, Series 1930.) 32 p., illus. Price 25¢.

OTHER PUBLICATIONS

- BAE-EXT Flier-2. Feeding to produce more milk for victory. Folder.
- Forests and people. Report of the Chief of the Forest Service. Earle H. Clapp. 40 p. Price 10¢.
- Report of the Administrator of the Agricultural Adjustment Administration, 1941. R. M. Evans. 90 p. Price 15¢. For sale only.
- Report of the Administrator of the Surplus Marketing Administration, 1941. Roy F. Hendrickson. 46 p. Price 10¢. For sale only.
- Report of the Chief of the Bureau of Agricultural Economics, 1941. Howard R. Tolley. 51 p. Price 20¢. For sale only.
- Report of the Chief of the Bureau of Entomology and Plant Quarantine, 1941. P. N. Annand. 120 p. Price 15¢.
- Report of the Chief of the Soil Conservation Service, 1941. H. H. Bennett. 75 p. Price 15¢. For sale only.
- Report of the Director of Finance, 1941. W. A. Jump. 29 p. Price 10¢. For sale only.
- Report of the Director of Personnel, 1941. Roy F. Hendrickson. 23 p. Price 10¢.
- Report of the Director of the Office of Foreign Agricultural Relations, 1941. L. A. Wheeler. 14 p. Price 5¢.
- What do these mean? Extension Service. [Folder.]

AGRICULTURAL ADJUSTMENT ADMINISTRATION

- G-112. AAA faces the future. [11] p.<sup>1</sup>

RURAL ELECTRIFICATION ADMINISTRATION

- Get the best from the start. Folder.<sup>1</sup>
- Keep 'em drinking, and avoid winter production slump. Folder.<sup>1</sup>

<sup>1</sup> These may be obtained free upon application to the issuing bureau.



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PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

**Agricultural situation.** Vol. 26, No. 2, February 1942. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.<sup>2</sup>

**Agriculture in the Americas.** Vol. 2, No. 2, February 1942. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.20 a year, foreign.<sup>2</sup>

**Crops and markets.** Vol. 18, No. 12, December 1941; Vol. 19, No. 1, January 1942. Price 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.<sup>2</sup>

**Experiment station record.** Vol. 86, No. 3, March 1942. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign.<sup>2</sup> Single numbers for sale only. Price 15¢.

**Extension service review.** Vol. 13, No. 2, February 1942. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.15 a year, foreign.<sup>2</sup>

**Foreign agriculture.** Vol. 6, No. 1, January; No. 2, February 1942. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.60 a year, foreign.<sup>2</sup>

**Journal of agricultural research.** Price \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.<sup>2</sup> Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

**Separates.** A small supply of each separate is given to the originating bureau or stations for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. The Office of Information has none for general distribution.

G-1230. (In Vol. 63, No. 12.) Effect of certain environmental conditions on the prevalence of *Ophiobolus graminis* in the soil. Hurley Fellows.

G-1234. (In Vol. 63, No. 12.) Factors affecting the germination of sugar-beet and other seeds, with special reference to the toxic effects of ammonia. Myron Stout and Bion Tolman.

G-1236. (In Vol. 63, No. 12.) An inversion, a reciprocal translocation, trisomics, and tetraploids in barley. Luther Smith.

Utah-35. (In Vol. 63, No. 12.) Chemical composition of *Symphoricarpos rotundifolius* as influenced by soil, site, and date of collection. L. A. Stoddart.

Vol. 64, No. 3, February 1; No. 2, February 15, 1942.

**Land policy review.** Vol. 5, No. 2, February 1942. Price 5¢ a copy; 50¢ a year, domestic.<sup>2</sup>

**Rural electrification news.** Vol. 7, No. 6, February 1942. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.<sup>2</sup>

**Soil conservation.** Vol. 7, No. 8, February 1942. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.<sup>2</sup>

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### FARMERS' BULLETINS

**Standard breeds and varieties of chickens. II. Ornamental and game classes.**

M. A. Jull, Bureau of Animal Industry. 36 p., illus. (F. B. 1507F., rev.) Price 10¢.

**Measuring water in irrigation channels.** R. L. Parshall, Soil Conservation Service. 30 p., illus. (F. B. 1683F., rev.) Price 10¢.

**Vegetable seed treatments.** R. J. Haskell, Extension Service and Bureau of Plant Industry, and S. P. Doolittle, Bureau of Plant Industry. 17 p., illus. (F. B. 1862F., rev.) Price 5¢.

**Harvesting and handling cultivated cranberries.** H. F. Bain, H. F. Bergman, and R. B. Wilcox, Bureau of Plant Industry. 24 p., illus. (F. B. 1882F.) Price 10¢.

**School lunches in country and city.** Bureau of Agricultural Economics. 27 p., illus. (F. B. 1899F.) Price 10¢.

### TECHNICAL BULLETINS

**Boron distribution in soils and related data.** Richard R. Whetstone, William O. Robinson, and Horace G. Byers, Bureau of Plant Industry. 32 p., illus. (T. B. 797T.) Price 10¢.

**Relationship of insects to the spread of azalea flower spot.** Floyd F. Smith, Bureau of Entomology and Plant Quarantine, and Freeman Weiss, Bureau of Plant Industry. 44 p., illus. (T. B. 798T.) Price 10¢.

**Gas treatment for the control of blue mold disease of tobacco.** Edward E. Clayton, John G. Gaines, Kendall J. Shaw, Thomas E. Smith, Harold H. Foster, W. M. Lunn, and Thomas W. Graham, Bureau of Plant Industry, in cooperation with the Georgia Coastal Plain Experiment Station, the North Carolina Department of Agriculture, the North Carolina Agricultural Experiment Station, and the Agricultural Experiment Stations of South Carolina and Maryland. 38 p., illus. (T. B. 799T.) Price 10¢.

**Classification of house and barn paints.** F. L. Browne, Forest Service. 37 p., illus. (T. B. 804T.) Price, 10¢.

**The competitive position of dairying in southern New England.** Herbert C. Fowler, Bureau of Agricultural Economics. 51 p., illus. (T. B. 812T.) Price 10¢.

### CIRCULARS

**Internal parasites of cattle.** Gerald Dikmans, Bureau of Animal Industry. 40 p., illus. (Cir. 614C.) Price 10¢.

**Methods of breeding *Chelonus annulipes* on the Mediterranean flour moth for use against the European corn borer.** William G. Bradley, Bureau of Entomology and Plant Quarantine. 23 p., illus. (Cir. 616C.) Price 10¢.

**Sheep migration in the intermountain region.** H. R. Hochmuth, Earl R. Franklin, and Marion Clawson, Bureau of Agricultural Economics. 70 p., illus. (Cir. 624C.) Price 25¢. Restricted.

**Fowl paralysis.** W. J. Hall, Bureau of Animal Industry. 13 p., illus. (Cir. 628C.) Price 5¢.

**Improved Bates laboratory aspirator.** E. N. Bates, Agricultural Marketing Service. 12 p., illus. (Cir. 630C.) Price 5¢.

**Game and wild-fur production and utilization on agricultural land.** J. Paul Miller, Fish and Wildlife Service, Interior Department, and Burwell B.



Powell, Bureau of Agricultural Economics. 58 p., illus. (Cir. 636C.) Price 10¢.

**Fuel wood used in the United States, 1630-1930.** R. V. Reynolds and Albert H. Pierson, Forest Service. 20 p. (Cir. 641C.) Price 5¢.

#### MISCELLANEOUS PUBLICATIONS

**Family expenditures for personal care, gifts, selected taxes, and miscellaneous items, five regions. Consumer purchases study. Urban, village, and farm series.** Day Monroe, Dorothy S. Brady, Edith Dyer Rainboth, and Ellen D. Riley, Bureau of Home Economics, in cooperation with Work Projects Administration. 113 p., (M. P. 455M.) Price 20¢.

**New landmarks of soil conservation.** Soil Conservation Service. [22] p., illus. (M. P. 473M.) Price 10¢.

**Victory gardens.** Victor R. Boswell, Bureau of Plant Industry. 11 p. (M. P. 483M.) Price 5¢.

#### PICTURE SHEETS

**Corn earworm.** Bureau of Entomology and Plant Quarantine. 1 p. (Picture Sheet No. 11.) Price 5¢.

**Fall armyworm.** Bureau of Entomology and Plant Quarantine. 1 p. (Picture Sheet No. 12.) Price 5¢.

**Squash borer.** (Picture Sheet No. 10.) 1 p. Price 5¢.

#### REPRINTS FROM 1941 YEARBOOK

1784. **Yearbook Committee, 1941.** P. VI. Price 5¢.

1785. **Foreword.** Claude R. Wickard. P. VII. Price, 5¢.

1786. **Climate and Man.** A summary. Gove Hambidge. Pp. 1-64. Price 10¢.

1787. **Climatic change through the ages.** Richard Joel Russell. Pp. 67-97. Price 10¢.

1788. **Climate and the world pattern.** David I. Blumenstock and C. Warren Thornthwaite. Pp. 98-127. Price 10¢.

1789. **The how and why of weather knowledge.** F. W. Reichelderfer. Pp. 128-153. Price 10¢.

1790. **The settlement of the humid East.** Carl O. Sauer. Pp. 157-166. Price 5¢.

1791. **Climate and settlement.** Glenn T. Trewartha. Pp. 167-176. Price 5¢.

1792. **Climate and settlement in the Great Plains.** C. Warren Thornthwaite. Pp. 177-187. Price 5¢.

1793. **Climate and settlement of the arid region.** Reed W. Bailey. Pp. 188-196. Price 5¢.

1794. **Settlement and cultivation in the summer-dry climates.** John Leighly. Pp. 197-204. Price 5¢.

1795. **The colonization of northern lands.** Vilhjalmur Stefansson. Pp. 205-216. Price 5¢.

1796. **Climate and settlement in Puerto Rico and the Hawaiian Islands.** James Thorp. Pp. 217-226. Price 5¢.

1797. **Climate and future settlement.** Jan. O. M. Broek. Pp. 227-236. Price 5¢.

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1799. **Health in tropical climates.** Robert G. Stone. Pp. 246-261. Price 5¢.

#### SERVICE AND REGULATORY ANNOUNCEMENTS

**Rules and regulations of the Secretary of Agriculture governing the inspection and certification of fruits, vegetables, and other products. Service and regulatory announcements No. 93.** Agricultural Marketing Service. 7 p. (S. R. A.-A. M. S. 93, rev.).<sup>1</sup>

**Bureau of Animal Industry. Service and regulatory announcements. Index, January-December 1941.** Pp. 113-115; January 1942. Pp. 1-7. (S. R. A.-B. A. I. 417.) Price 5¢, a copy.<sup>2</sup>

#### SOIL SURVEYS

**Minnesota, Roseau County.** (No. 11, Series 1936.) 80 p., illus. Price 75¢.

**Puerto Rico.** (No. 8, Series 1936.) 503 p., illus. Price \$3.25.

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Farmers' Bulletins	Leaflets	Other publications

#### OTHER PUBLICATIONS

BAE-EXT Flier-3. Peanut oil and the war. Folder.

Green vegetables in low cost meals. Bureau of Home Economics and Surplus Marketing Administration. 8 p.<sup>1</sup>

3 market lists for low cost meals. Bureau of Home Economics. Folder. Price 5¢.

Market lists for moderate cost and liberal meals. Bureau of Home Economics. Folder. Price 5¢.

Report of the Chief of the Office of Plant and Operations 1941. Arthur B. Thatcher. 16 p. Price 5¢.

Save your soil. Establishing grass on unproductive cultivated land in a conservation program for your farm or ranch. Soil Conservation Service. (Conservation Folder No. 7.)

Save your soil. Stock water dams in the Northern Great Plains in a conservation program for your farm or ranch. Soil Conservation Service. (Conservation Folder No. 8.)

Security at the grass roots. A report of cooperative extension work in agriculture and home economics, 1940-41. M. L. Wilson and Reuben Brigham, Extension Service. 62 p. Price 10¢.

#### FARM CREDIT ADMINISTRATION

Bull. 42. Marketing potatoes through the Ohio Farm Bureau Cooperative Association. Charles W. Hauck, Ohio State University, and A. W. McKay, Farm Credit Administration. 60 p., illus. Price 10¢.

Bull. 43. Cooperative grain elevators in North Dakota and eastern Montana. Harry E. Ratcliffe, Farm Credit Administration, Perry V. Hemphill, North Dakota Agricultural College, and Harold F. Hollands, Montana State College. 58 p., illus. Price 10¢.

Bull. 45. Reinsurance among farmers' mutual fire insurance companies. V. N. Valgren, Farm Credit Administration. 32 p. Price 10¢.

Bull. 46. Classification and rating of farm fire risks. Kenneth H. Hunter, Farm Credit Administration. 44 p. Price 10¢.

Cir. 1, rev. Federal credit unions. Farm Credit Administration. Folder.<sup>1</sup>

Cir. 28. Management appraises the Credit Union. Farm Credit Administration. [33] p., illus. Price 10¢.

Cir. A-23. Publications on agricultural cooperation. Farm Credit Administration. 30 p.<sup>1</sup>

Cir. C-123. Personnel management in farmers' cooperatives. R. G. Beers, Farm Credit Administration. 35 p. Price 10¢.

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Cir. C-125. **Distribution of machinery by farmers' cooperative associations.**  
Gerald M. Francis, Farm Credit Administration. 57 p., illus. Price 10¢.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

**Agricultural situation.** Vol. 26, No. 3, March 1942. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.<sup>2</sup>

**Agriculture in the Americas.** Vol. 2, No. 3, March 1942. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.20 a year, foreign.<sup>2</sup>

**Extension service review.** Vol. 13, No. 3, March 1942. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.15 a year, foreign.<sup>2</sup>

**Foreign agriculture.** Vol. 6, No. 3, March 1942. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.60 a year, foreign.<sup>2</sup>

**Journal of agricultural research.** Price \$3.25 a year, domestic; \$4.75 a year foreign. Each issue, 15¢, domestic; 20¢ foreign. Separates, 5¢, domestic; 8¢, foreign.<sup>2</sup> Not distributed free to individuals.

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A-208. (In Vol. 64, No. 2.) **Viability of eggs of the swine thorn-headed worm (*Macracanthorhynchus hirudinaceus*).** Kenneth C. Kates.

G-1240. (In Vol. 64, No. 1.) **Relation of ascorbic acid concentration in juice of Florida grapefruit to variety, rootstock, and position of fruit on the tree.** Paul L. Harding and Edward E. Thomas.

Calif.-121. (In Vol. 64, No. 3.) **Mathematical model of embryo abortion in Phillips Cling peaches.** G. A. Baker.

Calif.-122. (In Vol. 64, No. 3.) **Root rot of *Ranunculus asiaticus* caused by *Pythium debaryanum*.** C. M. Tompkins and John T. Middleton.

Calif.-124. (In Vol. 64, No. 3.) **The potassium requirement of growing pigs.** E. H. Hughes and N. R. Ittner.

— Vol. 63, Index, July 1–December 15, 1941; Vol. 64, No. 5, March 1; No. 6, March 15; No. 7, April 1, 1942.

**Land policy review.** Vol. 5, No. 3, March 1942. Price 5¢ a copy; 50¢ a year, domestic.<sup>2</sup>

**News for farmer cooperatives.** Vol. 8, No. 10, January; No. 11, February 1942. Price 10¢ a copy; \$1 a year, domestic.<sup>2</sup>

**Rural electrification news.** Vol. 7, No. 7, March 1942. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year foreign.<sup>2</sup>

**Soil conservation.** Vol. 7, No. 9, March 1942. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.<sup>2</sup>

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### FARMERS' BULLETINS

- The city home garden.** W. R. Beattie, Bureau of Plant Industry. 30 p., illus. (F. B. 1044F., rev.) Price 5¢.
- The farm garden.** J. H. Beattie and W. R. Beattie, Bureau of Plant Industry. 67 p., illus. (F. B. 1673F., rev.) Price 10¢.
- Bur-clover cultivation and utilization.** Roland McKee, Bureau of Plant Industry. 12 p., illus. (F. B. 1741F., rev.) Price 5¢.
- Flaxseed production in the North Central States.** A. Dillman, Bureau of Plant Industry and T. E. Stoa, North Dakota Agricultural Experiment Station. 19 p., illus. (F. B. 1747F., rev.) Price 10¢.
- Judging fabric quality.** Bess Viemont Morrison, Bureau of Home Economics. 22 p., illus. (F. B. 1831F., rev.) Price 5¢.
- Wildlife management through soil conservation on farms in the Northeast.** Frank C. Edminster, Soil Conservation Service. 52 p., illus. (F. B. 1868F., rev.) Price 10¢.
- The beet leafhopper.** W. C. Cook, Bureau of Entomology and Plant Quarantine. 21 p., illus. (F. B. 1886F.) Price 10¢.
- Land slugs and snails and their control** W. H. White, and A. C. Davis, Bureau of Entomology and Plant Quarantine. 8 p., illus. (F. B. 1895F.) Price 5¢.
- Production of tomatoes for canning and manufacturing.** James H. Beattie, W. R. Beattie, and S. P. Doolittle, Bureau of Plant Industry. 37 p., illus. (F. B. 1901F.) Price 10¢.
- Varieties of spring wheat for the North Central States.** J. Allen Clark, Bureau of Plant Industry. 20 p., illus. (F. B. 1902F.) Price 10¢.

### LEAFLETS

- Plowing terraced land.** E. G. Johnson, Soil Conservation Service. 6 p., illus. (Leaf. 214L.) Price 5¢.
- How to graze blue grama on southwestern ranges.** Edward C. Crafts and George E. Glendening, Forest Service. 8 p., illus. (Leaf. 215L.) Price 5¢.
- The home fruit garden in the East Central and Middle Atlantic States.** Bureau of Plant Industry. 8 p. (Leaf. 218L.) Price 5¢.

### TECHNICAL BULLETINS

- Fungi causing decay of living oaks in the eastern United States and their cultural identification.** Ross W. Davidson, W. A. Campbell, and Dorothy Blaisdell Vaughn, Bureau of Plant Industry. 65 p., illus. (T. B. 785T.) Price 15¢.
- Investigations on the cause and control of biennial bearing of apple trees.** C. P. Harley, J. R. Magness, M. P. Masure, L. A. Fletcher and E. S. Degman, Bureau of Plant Industry. 58 p., illus. (T. B. 792T.) Price 10¢.
- Evaluation of baits and bait ingredients used in grasshopper control.** Robert L. Shotwell, Bureau of Entomology and Plant Quarantine. 51 p., illus. (T. B. 793T.) Price 15¢.
- Relation of weather and its distribution to corn yields.** Floyd E. Davis and George D. Harrell, Agricultural Marketing Service, in cooperation with Iowa State College. 67 p., illus. (T. B. 806T.) Price 10¢.
- Temperature, moisture, and penetration studies of wood-staining *Ceratostomella* in relation to their control.** Ralph M. Lindgren, Bureau of Plant Industry. 35 p., illus. (T. B. 807T.) Price 15¢.



- An objective method of sampling wheat fields to estimate production and quality of wheat.** Arnold J. King, Dale E. McCarty, and Miles McPeck, Agricultural Marketing Service, in cooperation with the Kansas, North Dakota, and Iowa Agricultural Experiment Stations. 87 p., illus. (T. B. 814T.) Price 10¢.
- Growth and carbohydrate content of important mountain forage plants in central Utah as affected by clipping and grazing.** Edward C. McCarty and Raymond Price, Forest Service. 51 p., illus. (T. B. 818T.) Price 10¢. Restricted distribution.
- Nutritive properties of lard and other shortenings.** Ralph Hoagland and George G. Snider, Bureau of Animal Industry. 12 p. (T. B. 821T.) Price 5¢.

## CIRCULARS

- The conversion of the weights of mechanical separations of grain into percentages.** E. G. Boerner, Agricultural Marketing Service. 20 p., illus. (Cir. 623C.) Price 5¢.
- Insect pests of cigar-type tobaccos in the southern districts.** F. S. Chamberlin and A. H. Madden, Bureau of Entomology and Plant Quarantine. 54 p., illus. (Cir. 639C.) Price 15¢.
- Yearlong grazing of steers in the northern Great Plains.** W. H. Black and V. I. Clark, Bureau of Animal Industry. 16 p., illus. (Cir. 642C.) Price 5¢.
- The marketing of greens.** J. W. Park and M. E. Smith, Agricultural Marketing Administration. 56 p., illus. (Cir. 644C.) Price 15¢.
- Pure-seed production of Egyptian-type cotton.** R. H. Peebles, Bureau of Plant Industry. 20 p., illus. (Cir. 646C.) Price 5¢.
- Hardiness and productiveness of U. S. No. 5 Refugee snap bean in the southern United States.** B. L. Wade, Bureau of Plant Industry. 12 p., illus. (Cir. 648C.) Price 5¢.

## MISCELLANEOUS PUBLICATIONS

- Selected problems in the law of water rights in the West.** Wells A. Hutchins, Soil Conservation Service. 513 p. (M. P. 418M.) Price \$1.00 (buckram.) For sale only.
- Testing farm seeds in home and school.** Albina F. Musil, Bureau of Plant Industry. 88 p., illus. (M. P. 437M.) Price 15¢.
- Family income and expenditures. Five regions. Part 2, Family expenditures. Consumer purchases study. Farm series.** Day Monroe, Dorothy S. Brady, Margaret Perry, Kathryn Cronister, Edith Dyer Rainboth, Bureau of Home Economics, in cooperation with the Work Projects Administration. 366 p., (M. P. 465M.) Price 35¢.
- Crop yields and weather.** Louis H. Bean, Bureau of Agricultural Economics and Agricultural Marketing Service and United States Department of Commerce Weather Bureau cooperating. 131 p. (M. P. 471M.) Price 40¢. For sale only.
- Farm-mortgage credit facilities in the United States.** Donald C. Horton, Harold C. Larsen, and Norman J. Wall, Bureau of Agricultural Economics. 262 p., illus. (M. P. 478M.) Price 55¢.
- Financing production of food for freedom.** 8 p., (M. P. 488 M.) Price 5¢.

## SERVICE AND REGULATORY ANNOUNCEMENTS

- Bureau of Animal Industry.** Service and regulatory announcements. February 1942. Pp. 9-16. (S. R. A.-B. A. I. 418). Price 5¢ each, 25¢ a year.<sup>1</sup>
- Bureau of Entomology and Plant Quarantine.** Service and regulatory announcements. October-December 1941. Pp. 87-104. (S. R. A.-B. E. P. Q. No. 140.)<sup>2</sup>

## SOIL SURVEYS

- Texas, Maverick County.** (No. 10, Series 1936). 61 p., illus. Price, 55¢.

## STATISTICAL BULLETINS

- Stumpage and log prices for the calendar year 1940.** Henry B. Steer, Forest Service. 67 p. (S. B. 76S.) Price 10¢.

## OTHER PUBLICATIONS

- BAE-EXT FLIER-4. Farm machinery goes to war.** Folder.
- Connecticut farm handbook, 1941. State and Federal agricultural services.** In cooperation with the Connecticut College of Agricultural Engineering. 53 p., illus. Price 15¢.

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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Farmers' Bulletins	Leaflets	Other publications

- Farm reorganization work sheets. To be used in connection with United States Department of Agriculture M. P. 463. 12 p. Soil Conservation Service.
- National forest areas, June 30, 1941. Forest Service. 15 p.<sup>2</sup>
- Physical land conditions in Greene County, Georgia. David P. Powell and Charles B. Gay, Soil Conservation Service. 53 p., illus. (Physical Land Survey No. 23). Price 40¢. For sale only.
- Physical land conditions on the Leatherwood Creek Demonstration Project, Lawrence County, Indiana. D. R. Kunkel, C. A. Engberg, and C. L. Whiteford, Soil Conservation Service. 40 p., illus. (Physical Land Survey No. 24). Price 30¢. For sale only.
- Save your soil. Stock-water dugouts an aid to range management in a conservation program for your farm or ranch. Soil Conservation Service. (Conservation Folder No. 9.)
- Save your soil. Water spreading and flood irrigation in a conservation program for your farm or ranch. Soil Conservation Service. (Conservation Folder No. 10.)
- The biology of *Metagonistylum minense* Tns. a parasite of the sugarcane borer. Kenneth A. Bartlett, Puerto Rico Experiment Station. 20 p., illus. (P. R. Bull. 40). Price 10¢.
- The farmer and the War. Farm land values and the War. 7 p. Price 5¢.
- The rural home and the national emergency. Extension Service. 13 p.

AGRICULTURAL ADJUSTMENT ADMINISTRATION

G-115. There's plenty of wheat and here's where it is: [Folder.] <sup>2</sup>

FARM CREDIT ADMINISTRATION

- Bull. 44. Business stability of Iowa farmers' elevators. E. B. Ballow, Farm Credit Administration, in cooperation with Iowa State College of Agriculture and Mechanic Arts. 111 p., illus. Price 15¢.
- Bull. 47. Cooperative canning of fruits and vegetables. Neptune Fogelberg and W. Gordon Leith, Farm Credit Administration. 78 p., illus. Price 15¢.
- Bull. 52. Retail outlets for fruit in New York City. Marius P. Rasmussen, Cornell University; and Ford A. Quitsland and Edwin W. Cake, Farm Credit Administration. 120 p., illus. Price 20¢.
- Bull. No. CR-3. Agricultural Credit in Canada. Julia L. Wooster and Walter Bauer, Farm Credit Administration. 63 p., illus. Price 15¢.
- Cir. C-124. Distribution of milk by farmers' cooperative associations. Louis F. Herrmann and Wm. C. Welden, Farm Credit Administration. 72 p., illus. Price 15¢.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

- Agricultural situation. Vol. 26, No. 4, April 1942. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.<sup>1</sup>
- Agriculture in the Americas. Vol. 2, No. 4, April 1942. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.20 a year, foreign.<sup>1</sup>

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**Crops and markets.** Vol. 19, No. 2, February 1942; Vol. 19, No. 1, January 1942. Price 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

**Experiment station record.** Vol. 86, No. 5, May 1942. Price, \$1.00 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign.<sup>1</sup> Single numbers for sale only. Price 15¢.

**Extension service review.** Vol. 13, No. 4, April 1942. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.15 a year, foreign.<sup>1</sup>

**Fire control notes.** Vol. 6, No. 2, April 1942. Price 15¢ a copy; 50¢ a year, domestic.<sup>1</sup>

**Foreign agriculture.** Vol. 6, No. 3, March; No. 4, April 1942. Illus. Price 10c a copy; \$1.00 a year, domestic; \$1.60 a year, foreign.<sup>1</sup>

**Journal of agricultural research.** Price \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.<sup>1</sup> Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

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E-89. (In Vol. 64, No. 1). Effect of metal containers on the anaerobic fermentation of cornstalk flour by thermophiles. Robert P. Straka and G. H. Nelson.

E-90. (In Vol. 64, No. 3). Anaerobic decomposition of wheat straw by thermophiles and the quality of gas produced. Robert P. Straka, G. H. Nelson, and Max Levine.

E-91. (In Vol. 64, No. 3). Effect of various concentrations of papain and potassium iodate on the loaf volume of bread. Jehiel Davidson and J. A. LeClerc.

F-96. (In Vol. 64, No. 2). Relation of naval stores yields to frequency of chipping. T. A. Liefeld.

G-1235. (In Vol. 64, No. 1). Intergeneric hybridization of cereals and other grasses. D. C. Smith.

G-1237. (In Vol. 64, No. 2). Inheritance of smooth and pitted bolls in Pima cotton. E. Gordon Smith.

G-1238. (In Vol. 64, No. 1). Some aspects of the phyllotaxy of tobacco. H. A. Allard.

G-1241. (In Vol. 64, No. 3). Inheritance of factors influencing sucrose percentage in *Beta vulgaris*. J. O. Culbertson.

G-1242. (In Vol. 64, No. 2). Inheritance of cluster habit and its linkage relation with anthocyanin pigmentation in upland cotton. J. Winston Neely.

G-1243. (In Vol. 64, No. 2). Hybrid vigor and weight of germs in the seeds of maize. J. H. Kempton and John W. McLane.

G-1244. (In Vol. 64, No. 2). Inheritance of a leaf variegation in beans. W. J. Zaumeyer.

Calif. 129. (In Vol. 64, No. 1). Reducing southern sclerotium rot of sugar beets with nitrogenous fertilizers. L. D. Leach and A. E. Davey.

Calif. 123. (In Vol. 64, No. 3). Pantothenic acid in the nutrition of the pig. E. H. Hughes.

Vol. 64, No. 8, April 15; No. 9, May 1, 1942.

**Land policy review.** Vol. 5, No. 4, April 1942. Price 5¢ a copy; 50¢ a year, domestic.<sup>1</sup> 75¢ a year, foreign.

**News for farmer cooperatives.** Vol. 8, No. 12, March 1942. Price 10¢ a copy; \$1 a year, domestic.<sup>1</sup>

**Rural electrification news.** Vol. 7, No. 8, April 1942. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

**Soil conservation.** Vol. 7, No. 10, April 1942. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

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FARMER'S BULLETINS

**Establishing and managing young apple orchards.** J. R. Magness, Bureau of Plant Industry. 29 p., illus. (F. B. 1897F.) Price 10¢.

**Pastures to hold and enrich the soil.** A. T. Semple, Soil Conservation Service, and M. A. Hein, Bureau of Plant Industry. 29 p., illus. (F. B. 1900F.) Price 10¢.

LEAFLETS

**Cotton-gin maintenance.** Charles A. Bennett, Bureau of Agricultural Chemistry and Engineering, and Francis L. Gerdes, Agricultural Marketing Administration. 8 p., illus. (Leaf. 216L.) Price 5¢.

**Storage of vegetable seeds.** Eben H. Toole, Bureau of Plant Industry. 8 p., illus. (Leaf. 220L.) Price 5¢.

TECHNICAL BULLETINS

**Strains of field corn resistant to the survival of the European corn borer.** L. H. Patch, Bureau of Entomology and Plant Quarantine; J. R. Holbert, Bureau of Plant Industry; and R. T. Everly, Bureau of Entomology and Plant Quarantine. 22 p. (T. B. 823T.) Price 5¢.

CIRCULARS

**Papaya production in the United States.** Hamilton P. Traub, T. Ralph Robinson, and H. E. Stevens, Bureau of Plant Industry. 36 p., illus. (Cir. 633C.) Price 10¢.

**Wheat storage in experimental farm-type bins.** C. F. Kelly and B. M. Stahl, Bureau of Chemistry and Engineering; S. C. Salmon, Bureau of Plant Industry; and R. H. Black, Agricultural Marketing Service. 245 p., illus. (Cir. 637C.) Price 30¢.

**A compilation of the vitamin values of foods in relation to processing and other variants.** Lela E. Booher, Eva R. Hartzler, and Elizabeth M. Hewston, Bureau of Home Economics. 244 p. (Cir. 638C.) Price 25¢. For sale only.

**Low-priced milk and the consumption of dairy products among low-income families, Washington, D. C., 1940.** Hazel K. Stiebeling, Sadye F. Adelson, and Ennis Blake, Bureau of Home Economics. 28 p., illus. (Cir. 645C.) Price 10¢.

MISCELLANEOUS PUBLICATIONS

**Family income and expenditures. Southeast region. Part 1. Family income. Consumer purchases study. Farm series.** Dorothy S. Brady, Day Monroe, Margaret Perry, and Mary Ruth Pratt, Bureau of Home Economics, in cooperation with the Work Projects Administration. (M. P. 462M.) 208 p. Price 25¢.

**A camera report on El Cerrito, a typical Spanish-American community in New Mexico.** Irving Rusinow. Bureau of Agricultural Economics. 136 p., illus. (M. P. 479M.) Price 45¢. For sale only.



## REPRINTS FROM THE YEARBOOK

1800. **Climate and soil.** Charles E. Kellogg. Pp. 265-291. Price 5¢.
1801. **Effects of climatic factors on growing plants.** A. C. Hildreth, J. R. Magness, and John W. Mitchell. Pp. 292-307. Price 5¢.
1802. **Influence of climate and weather on growth of corn.** Merle T. Jenkins. Pp. 308-320. Price 5¢.
1803. **Climate and small grains.** S. C. Salmon. Pp. 321-342. Price 5¢.
1804. **Climate and sorghum.** J. H. Martin. Pp. 343-347. Price 5¢.
1805. **Climate and cotton.** C. B. Doyle. Pp. 348-363. Price 5¢.
1806. **Climate and tobacco.** W. W. Garner. Pp. 348-372. Price 5¢.
1807. **Climate and vegetable crops.** Victor R. Boswell and Henry A. Jones. Pp. 373-399. Price 5¢.
1808. **Climatic adaptation of fruit and nut crops.** J. R. Magness and H. P. Traub. Pp. 400-420. Price 5¢.
1809. **Climatic relations of sugarcane and sugar beet.** E. W. Brandes and G. H. Coons. Pp. 421-438. Price 5¢.
1810. **Climate and forage crops.** O. S. Aamodt. Pp. 439-458. Price 5¢.
1811. **Climate and grazing.** W. R. Chapline and C. K. Cooperrider. Pp. 459-476. Price 5¢.
1812. **Climate and the Nation's forests.** Raphael Zon. Pp. 477-498. Price 5¢.
1813. **Climate and plant diseases.** Henry B. Humphrey. Pp. 499-502. Price 5¢.
1814. **Insects and the weather.** James A. Hyslop. Pp. 503-507. Price 5¢.
1815. **Climate and livestock production.** A. O. Rhoad. Pp. 508-516. Price 5¢.
1816. **Climate in relation to worm parasites of livestock.** John T. Lucker. Pp. 517-527. Price 5¢.
1817. **Flood hazards and flood control.** Pp. 531-578. **The hydrologic cycle.** Benjamin Holzman. Pp. 532-536. **Some climatic factors that affect run-off.** G. W. Musgrave. Pp. 536-545. **Evaporation and transpiration.** C. W. Thornthwaite and Benjamin Holzman. Pp. 545-550. **Storms and floods.** Benjamin Holzman and Albert Showalter. Pp. 551-557. **Snow melt.** C. Forsling. Pp. 557-560. **Land use in flood control.** Arthur C. Ringland and Otto E. Guthe. Pp. 561-565. **Flood forecasting.** Merrill Bernard. Pp. 565-576. Price 10¢.
1818. **How the daily forecast is made.** C. L. Mitchell and H. Wexler. Pp. 579-598. Price 5¢.
1819. **The scientific basis of modern meteorology.** C. G. Rossby. Pp. 599-655. Price 10¢.
1820. **Amateur forecasting from cloud formations.** C. G. Rossby. Pp. 656-661. Price 5¢.
1821. **World extremes of weather.** P. 664. Price 5¢.
1822. **The climates of the world.** Wesley W. Reed. Pp. 665-684. Price 5¢.
1823. **Climate and weather data for the United States.** J. B. Kincer. Pp. 685-699. Price 5¢.
1824. **Climates of the United States (46 maps).** Pp. 701-747. Price 10¢.

## SERVICE AND REGULATORY ANNOUNCEMENTS

- Bureau of Animal Industry. Service and regulatory announcements.** March 1942. Pp. 17-28. (S. R. A.-B. A. I. 419). Price 25¢ year, 5¢ a copy.<sup>1</sup>
- Notices of judgment under the Insecticide Act.** Agricultural Marketing Administration. Pp. 527-534. (N. J., I. F. 1801-1811).<sup>2</sup>

## SOIL SURVEY

- North Dakota, McKenzie County.** (No. 37, series 1933.) 99 p., illus. Price \$1.25.

## OTHER PUBLICATIONS

- Be a victory planner in your home.** Bureau of Home Economics and the Consumer's Counsel Division. Folder.<sup>2</sup> Price \$1 per 100.
- Clean milk. Food for freedom.** Folder.
- Farm parity prices and the war.** 8 p. Price 5¢.

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

<sup>2</sup> These may be obtained free upon application to the issuing bureau.



Indicate below, by numbers **IN NUMERICAL ORDER**, bulletin desired. In order to assure prompt delivery detach this frank and return in stamped envelope to Office of Information, United States Department of Agriculture, Washington, D. C. List no more than five publications. If more are desired, please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication. Requests for change of address must show old as well as new address.

Be sure to write your name and address plainly on reverse side of this form.

Farmers' Bulletins	Leaflets	Other publications

**Hydrologic data. Blacklands Experimental Watershed, Waco, Texas. 1937-1939.** Hydrologic Division, Office of Research, Soil Conservation Service. 197 p., illus. (Hydrologic Bull. No. 2.) Price 40¢. For sale only.

**Hydrologic data. Central Great Plains Experimental Watershed, Hastings, Nebraska, 1938-40.** Hydrologic Division. Office of Research, Soil Conservation Service. 148 p., illus. (Hydrologic Bull. No. 3.) Price 30¢. For sale only.

**Kentucky farm handbook, 1942.** In cooperation with Extension Service of the Kentucky College of Agriculture and Home Economics. 46 p. Price 10¢.

**Plant material introduced by the Division of Plant Exploration and Introduction, Bureau of Plant Industry, January 1 to March 31, 1937.** (Nos. 119267 to 123341). 127 p. (Inv. 130.)<sup>2</sup>

**Save your soil: Developing springs to furnish water for livestock.** (Conservation Folder No. 11.)

**BAE-Ext. Flier-5. Soybean oil and the war.** Folder.

#### FARM CREDIT ADMINISTRATION

**Sales and distribution policies of cooperative canneries in the United States.** Harry C. Hensley, Farm Credit Administration. 93 p., illus. (Bull. 48.) Limited distribution.<sup>2</sup>

#### PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

**Agricultural situation.** Vol. 26, No. 5, May 1942. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.<sup>1</sup>

**Agriculture decisions.** Vol. 1, No. 1. January 1 to January 31, 1942. Vol. 1, No. 2. February 1 to February 28, 1942. Price 15¢ a copy; \$1.50 a year.<sup>1</sup>

To make available to interested persons, in an orderly and accessible form, decisions issued under regulatory laws administered in the Department.

**Agriculture in the Americas.** Vol. 2, No. 4, April 1942. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.20 a year, foreign.

**Crops and markets. Index.** Vol. 17, 1940; Vol. 19, No. 3, March 1942; Vol. 19, No. 4, April 1942. Price 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

**Experiment station record.** Vol. 86, No. 6, June 1942. Price, \$1.00 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price 15 ¢.<sup>1</sup>

**Extension service review.** Vol. 13, No. 5, May 1942. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.15 a year, foreign.<sup>1</sup>

**Foreign agriculture.** Vol. 6, No. 5, May. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.60 a year, foreign.<sup>1</sup>

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

<sup>2</sup> These may be obtained free upon application to the issuing bureau.



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**Journal of agricultural research.** Price \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢ foreign. Separates, 5¢ domestic; 8¢, foreign.<sup>1</sup> *Not distributed free to individuals.*

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. The Office of Information has none for general distribution.

- A-209. (In Vol. 64, No. 5). An improved method for determining the distribution of salt and water in cured hams. A. K. Besley and Floyd Carroll.
- E-92. (In Vol. 64, No. 7). Hemicelluloses of cornstalks. H. D. Weihe and Max Phillips.
- G-1239. (In Vol. 64, No. 5). Origin of the suberized semipermeable membrane in the caryopsis of maize. Helen Johann.
- G-1245. (In Vol. 64, No. 4). Simultaneous measurement of carbon dioxide and organic volatiles in the internal atmosphere of fruits and vegetables. Fisk Gerhardt.
- G-1246. (In Vol. 64, No. 7). Factors affecting the longevity of cottonseed. D. M. Simpson.
- G-1248. (In Vol. 64, No. 7). Toxicity and accumulation of chloride and sulfate salts in plants. Frank M. Eaton.
- K-315. (In Vol. 64, No. 6). Changes induced in the blood cells of the southern armyworm (*Prodenia eridania*) by the administration of poisons. J. Franklin Yeager and Sam C. Munson.
- Calif.-125. (In Vol. 64, No. 6). The relation of shank color to winter egg production characteristics of Single-Comb White Leghorn pullets. I. Michael Lerner.
- Colo.-14. (In Vol. 64, No. 6). Rate and date of seeding Kanred winter wheat and the relation of seeding date to dry-land foot rot at Akron, Colo. D. W. Robertson, O. H. Coleman, J. F. Brandon, H. Fellows, and J. J. Curtis.
- Minn.-119. (In Vol. 64, No. 4). The relative respiratory rates and hygroscopic equilibria of common and hull-less oats. P. E. Ramstad and W. F. Geddes.
- N. Mex.-8. (In Vol. 64, No. 4). Diameter of fiber in different strains of Acala cotton. G. N. Stroman.
- N. Y. (Cornell)-50. (In Vol. 64, No. 4). Variations in the down color of White Leghorn chicks and their economic insignificance. W. F. Lamoreux and F. B. Hutt.
- Ohio-30. (In Vol. 64, No. 5). Aphid infestation of strains of corn as an index of their susceptibility to corn borer attack, L. L. Huber and G. H. Stringfield.

Vol. 64, No. 10, May 15, 1942; Vol. 64, No. 11, June 1, 1942.

**Land policy review.** Vol. 5, No. 5, May 1942. Price 5¢ a copy; 50¢ a year, domestic.<sup>1</sup> 75¢ a year, foreign.

**News for farmer cooperatives.** Vol. 9, No. 1, April 1942, Vol. 9, No. 2, May 1942. Price 10¢ a copy; \$1 a year, domestic.<sup>1</sup>

**Rural electrification news.** Vol. 7, No. 9, May 1942. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

**Soil conservation.** Vol. 7, No. 11, May 1942. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.



SEP 6 - 1943

# United States Department of Agriculture

## MONTHLY LIST OF PUBLICATIONS

JUNE 1942

Any five of the nontechnical publications listed herein, unless indicated "For sale only," may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the Department's supply lasts. After this supply is exhausted, publications may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., by purchase at the prices stated herein. His office is not a part of the Department of Agriculture.

Free distribution of technical material and periodicals is restricted.

This monthly list will be sent free on request made to the Office of Information, U. S. Department of Agriculture, Washington, D. C.

### FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

- The native persimmon.** W. F. Fletcher, Bureau of Plant Industry. 22 p., illus. (F. B. 685F., rev.) Price 5¢.
- Blackberry growing.** George M. Darrow, Bureau of Plant Industry. 18 p., illus. (F. B. 1399F., rev.) Price 5¢.
- Cucumber growing.** W. R. Beattie, Bureau of Plant Industry. 25 p., illus. (F. B. 1563F., rev.) Price 10¢.
- Ways to stretch sugar rations in jellies, jams, preserves.** Bureau of Home Economics. Supplements recipes in Farmers' Bulletin 1800F. 1 p.
- Hedge plants for the northern Great Plains.** Thomas K. Killand, Bureau of Plant Industry. 13 p., illus. (F. B. 1898F.) Price 5¢.
- Sugar-beet culture in the intermountain area with curly top resistant varieties.** Bion Tolman and Albert Murphy, Bureau of Plant Industry. 52 p., illus. (F. B. 1903F.) Price 10¢.
- Work clothes for women.** Clarice L. Scott, Bureau of Home Economics. 16 p., illus. (F. B. 1905F.) Price 5¢.

### LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins except that the Leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

- The home fruit garden in the southeastern and central Southern States.** Bureau of Plant Industry. 8 p., illus. (Leaf. 219L.) Price 5¢.
- The home fruit garden in the central Southwestern States.** Bureau of Plant Industry with the collaboration of horticulturists of the States in the region. 8 p., illus. (Leaf. 221L.) Price 5¢.
- The home fruit garden in the northern Great Plains, northern Mountain, and Intermountain States.** Bureau of Plant Industry. 8 p., illus. (Leaf. 222L.) Price 5¢.
- Growing field beans in humid areas.** Victor R. Boswell, Bureau of Plant Industry. 8 p., illus. (Leaf. 223L.) Price 5¢.
- The home fruit garden in the Pacific Coast States and Arizona.** Bureau of Plant Industry, with the collaboration of horticulturists of the States in the region. 8 p., illus. (Leaf. 224L.) Price 5¢.

### TECHNICAL BULLETINS

The Technical Bulletin series contains the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

- Influence of variety, environment, and fertility level on the chemical composition of soybean seed.** J. L. Cartter, Bureau of Plant Industry, and T. H. Hopper, Bureau of Agricultural Chemistry and Engineering. 66 p., illus. (T. B. 787T.) Price 15¢.
- The factorial interpretation of anthracnose resistance in beans.** C. F. Andrus and B. L. Wade, Bureau of Plant Industry. 29 p., illus. (T. B. 810T.) Price 15¢.



- A comparative analysis of the vegetative characteristics of some variants of *Saccharum spontaneum*.** Ernest Artschwager, Bureau of Plant Industry. 55 p., illus. (T. B. 811T.) Price 10¢.
- Growing tobacco as a source of nicotine.** J. E. McMurtrey, Jr., C. W. Bacon, and D. Ready, Bureau of Plant Industry, in cooperation with the Agricultural Experiment Stations of California, Louisiana, Maryland, Missouri, North Carolina, Oregon, Pennsylvania, Tennessee, Virginia, West Virginia, Wisconsin, and the North Carolina Department of Agriculture. 39 p., illus. (T. B. 820T.) Price 10¢.
- Machining and related characteristics of southern hardwoods.** E. M. Davis, Forest Service. 42 p., illus. (T. B. 824T.) Price 15¢.

#### CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

- Control of insects attacking stored tobacco and tobacco products.** W. D. Reed and J. P. Vinzant, Bureau of Entomology and Plant Quarantine. 40 p., illus. (Cir. 635C.) Price 10¢.
- Phloem necrosis. A virus disease of the American elm.** Roger U. Swingle, Bureau of Plant Industry. 8 p., illus. (Cir. 640C.) Price 5¢.
- Toxic and repellent sprays for the control of elm bark beetles.** R. R. Whitten, Bureau of Entomology and Plant Quarantine. 12 p., illus. (Cir. 647C.) Price 5¢.

#### MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

- Flowering plants and ferns of Arizona.** Thomas H. Kearney and Robert H. Peebles, Bureau of Plant Industry and collaborators. 1069 p., illus. (M. P. 423M.) Price \$2.00. For sale only.

#### SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. Free distribution is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

- Order amending regulations relating to meat inspection by adding definitions for lard and rendered pork fat.** Bureau of Animal Industry. (Amdt. 13 to B. A. I. Order, 211, rev.)<sup>1</sup>
- Bureau of Animal Industry. Service and regulatory announcements.** April 1942. Pp. 29-36. (S. R. A.-B. A. I. 420.) Price 5¢ each, 25¢ a year.<sup>2</sup>

#### AGRICULTURAL WAR INFORMATION

An emergency series of publications which discuss in nontechnical language food production, nutrition, and related subjects pertaining to development of the Food for Freedom program.

- 11 ways to increase milk production. Food for Freedom.** Folder.
- 1. Food for growth. Food for Freedom.** Bureau of Home Economics, in cooperation with Farm Security Administration. (AWI-1.) Folder.

#### OTHER PUBLICATIONS

- SL-1. Lunches while school's out.** Agricultural Marketing Administration. Folder.<sup>1</sup>
- Report of the Puerto Rico Experiment Station, 1940.** 103 p., illus. Price 25¢.
- Save your soil. Tree shelterbelts or windbreaks helpful on the northern Great Plains.** Soil Conservation Service. (Conservation Folder No. 12.)
- Save your soil. Protection and care of farm woods.** Soil Conservation Service. (Conservation Folder No. 13.)
- Save your soil. Tree planting to stabilize gullies and stream banks.** Soil Conservation Service. (Conservation Folder No. 14.)

<sup>1</sup> These may be obtained from the issuing bureau.

<sup>2</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.



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Farmers' Bulletins	Leaflets	Other publications

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

**Agricultural situation.** Vol. 26, No. 6, June 1941. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.<sup>2</sup>

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

**Agriculture decisions.** Vol. 1, No. 3, March 1-31; No. 4, April 1-30, 1942. Price 15¢ a copy; \$1.50 a year.<sup>2</sup>

To make available to interested persons, in an orderly and accessible form, decisions issued under regulatory laws administered in the Department.

**Agriculture in the Americas.** Vol. 2, No. 6, June; No. 7, July, 1942. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.20 a year, foreign.<sup>2</sup>

This new monthly publication of 16 pages is designed to present in popular style agricultural developments in the Western Hemisphere, particularly as they affect the economic relations of the American Republics. The subject matter covers various phases of inter-American trade, as well as agricultural items of importance in the program for Hemisphere defense.

**Crops and markets.** Vol. 19, No. 5, May 1942. Price 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.<sup>2</sup>

Statistics concerning crop and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

**Experiment station record.** Vol. 87, No. 1, July 1942. Price \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price 15¢.<sup>2</sup>

A technical review of scientific literature pertaining to agriculture.

**Extension service review.** Vol. 13, No. 6, June 1942. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.40 a year, foreign.<sup>2</sup>

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

**Foreign agriculture.** Vol. 6, No. 6, June 1942. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.60 a year, foreign.<sup>2</sup>

A 48-page monthly periodical containing articles on foreign government policies relating to agriculture, foreign agricultural production and international trade in agricultural products. The articles in general are the result of special research or field investigations conducted by the office staff or commodity specialists of the Office of Foreign Agricultural Relations. Designed primarily for those who are interested in following changes in foreign policies as they affect agriculture.

<sup>2</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.



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**Journal of agricultural research.** Price \$3.25 a year, domestic; \$4.75 a year foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.<sup>2</sup> Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

**Separates.** A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. **The Office of Information has none for general distribution.**

G-1247. (In Vol. 64, No. 4.) **Further studies of cool storage and other factors affecting the forcing performance of Easter lily bulbs.** Philip Brierley and A. H. Curtis.

G-1249. (In Vol. 64, No. 8.) **Effect of trace elements on growth of *Aspergillus niger* with amino acids.** Robert A. Steinberg.

G-1250. (In Vol. 64, No. 8.) **Occurrence of the dwarf-red character in upland cotton.** Scott C. McMichael.

Ill.-76. (In Vol. 64, No. 8.) **Natural mode of entrance of fungi into corn ears and some symptoms that indicate infection.** Benjamin Koehler.

Wis.-132. (In Vol. 64, No. 8.) **Studies on the viroplasm hypothesis.** James Johnson.

——— Vol. 64, No. 12, June 15; Vol. 65, No. 1, July 1, 1942.

**Land policy review.** Vol. 5, No. 6, June 1942. Price 5¢ a copy; 50¢ a year, domestic; 75¢, foreign.<sup>2</sup>

Gives information on current developments in land policy and land programs to workers of the Department of Agriculture and cooperating groups.

**Rural electrification news.** Vol. 7, No. 10, June 1942. Price 10¢ a copy; 75¢ year, domestic; \$1.50 a year, foreign.<sup>2</sup>

Issued monthly by the Rural Electrification Administration. A summary of rural electrification activities and a clearing house for interchange of information pertaining to utilization of electric power in farm tasks.

**Soil conservation.** Vol. 7, No. 12, June 1942. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.<sup>2</sup>

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

<sup>2</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.



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# United States Department of Agriculture

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### FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

**Home canning of fruits, vegetables, and meats.** Louise Stanley, Mabel Stienbarger, and Dorothy Shank, Bureau of Home Economics. 48 p. (F. B. 1762F. rev.) Price 10¢.

**Meat for thrifty meals.** Lucy M. Alexander and Fanny Walker Yeatman, Bureau of Home Economics. 46 p., illus. (F. B. 1908F.) Price 10¢.

**Ladino white clover for the Northeastern States.** E. A. Hollowell, Bureau of Plant Industry. 10 p., illus. (F. B. 1910F.) Price 5¢.

**Wood fuel in wartime.** Robert T. Hall and M. B. Dickerman, Forest Service. 22 p., illus. (F. B. 1912F.) Price 10¢.

### LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins except that the Leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

**Cotton ginning for pure-seed preservation.** Chas. A. Bennett, Bureau of Agricultural Chemistry and Engineering, and Francis L. Gerdes, Agricultural Marketing Administration. 8 p., illus. (Leaf. 217L.) Price 5¢.

### TECHNICAL BULLETINS

The Technical Bulletin series contains the result of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

**Climate and accelerated erosion in the arid and semiarid Southwest, with special reference to the Polacca Wash drainage basin, Arizona.** C. Warren Thornthwaite, C. F. Stewart Sharpe, and Earl F. Dosch, Soil Conservation Service. 134 p., illus. (T. B. 808T.) Price 55¢.

**Soluble material of soils in relation to their classification and general fertility.** M. S. Anderson, Mary G. Keyes, and George W. Cromer, Bureau of Plant Industry. 79 p., illus. (T. B. 813T.) Price 15¢.

**Input-output relationships in milk production.** Einar Jensen, John W. Klein, and Emil Rauchenstein, Bureau of Agricultural Economics, and T. E. Woodward and Ray H. Smith, Bureau of Dairy Industry. 88 p., illus. (T. B. 815T.) Price 15¢.

**Effect of mulches and surface conditions on the water relations and erosion of Muskingum soils.** Harold L. Borst and Russell Woodburn, Soil Conservation Service, in cooperation with the Ohio Agricultural Experiment Station. 16 p., illus. (T. B. 825T.) Price 5¢.

### MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

**Family expenditures for education, reading, recreation, and tobacco. Five regions. Urban, village, and farm. Consumer purchases study.** Day Monroe, Dorothy S. Brady, Maryland Y. Pennell, and Miriam H. Coffin, Bureau of Home Economics, in cooperation with Work Projects Administration. 208 p. (M. P. 456M.) Price 25¢.

**Workers in subjects pertaining to agriculture in land-grant colleges and experiment stations, 1941-42.** Betty T. Richardson. 176 p. (M. P. 480M.) Price 25¢. Restricted distribution.



**Teamwork to save soil and increase production.** Soil Conservation Service. 64 p., illus. (M. P. 486M) Price 20¢.

**List of sires proved in dairy herd improvement associations.** 1942. Bureau of Dairy Industry. 143 p. (M. P. 487M.) Price 15¢. Restricted distribution.

**Family spending and saving as related to age of wife and age and number of children.** Day Monroe, Maryland Y. Pennell, Mary Ruth Pratt, and Geraldine S. DePuy, Bureau of Home Economics. 126 p. (M. P. 489M.) Price 25¢.

#### SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area.

**Michigan, Clinton County.** (Series 1936, No. 12.) 71 p., illus. Price 35¢.

#### SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. Free distribution is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

**Bureau of Animal Industry. Service and regulatory announcements.** May 1942. Pp. 37-44. (S. R. A.-B. A. I. 421.) Price 5¢ a copy, 25¢ a year.<sup>1</sup>

**White-fringed beetle quarantine. Revision of quarantine and regulations.** Effective May 9, 1942. Bureau of Entomology and Plant Quarantine. 7 p. (B. E. P. Q.-Q. 72).<sup>2</sup>

#### REPRINTS FROM 1942 YEARBOOK

1870. **Losses caused by animal diseases and parasites.** John R. Mohler, A. E. Wight, W. M. MacKellar, and F. C. Bishopp. Pp. 109-116.

1871. **Causes of disease.** H. W. Schoening, Benjamin Schwartz, Ward T. Huffman, and Louis L. Madsen. Pp. 117-137.

1873. **The endocrine glands in health and disease.** A. H. Frank. Pp. 155-166.

1875. **Artificial insemination and disease control.** A. H. Frand and Ralph W. Phillips. Pp. 175-178.

1876. **Disinfection and disinfectants.** F. W. Tilley. Pp. 179-187.

1877. **How research aids in disease control.** John R. Mohler. Pp. 188-202.

1879. **Fighting disease with knowledge.** D. S. Burch. Pp. 227-235.

1881. **Anthrax.** C. D. Stein. Pp. 250-262.

1882. **Foot-and-mouth disease.** John R. Mohler and Jacob Traum. Pp. 263-275.

1884. **Bacterial infections and parasites common to man and animals.** George W. Stiles and John T. Luckner. Pp. 295-312.

1886. **Plants poisonous to livestock.** Ward T. Huffman and James F. Couch. Pp. 354-373.

1889. **Diseases and parasites of swine.** Part 5. Pp. 673-828; Hog cholera. C. N. McBryde. Pp. 673-685; Swine erysipelas. H. W. Schoening, C. G. Grey, and O. L. Osteen. Pp. 686-694; Enteritis of swine. C. N. Dale; 695-702; Swine influenza. C. N. Dale. Pp. 703-713; Miscellaneous diseases of swine. G. T. Creech. Pp. 714-728; Brucellosis (infections abortion) in swine. Adolph Eichhorn. Pp. 729-733; Mange of swine. Marion Imes. Pp. 734-740; Hog lice. O. G. Babcock and E. C. Cushing. Pp. 741-744; Internal parasites of swine. L. A. Spindler. Pp. 745-786; Trichinosis. Benjamin Schwartz. Pp. 787-802; Salt tolerance and salt poisoning of swine. N. R. Ellis. Pp. 803-809; Nutritional diseases of swine. Louis L. Madsen. Pp. 810-827.

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

<sup>2</sup> These may be obtained from the issuing bureau.



Indicate below, by numbers IN NUMERICAL ORDER, bulletins desired. In order to assure prompt delivery detach this frank and return in stamped envelope to United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired, please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication. Requests for change of address must show old as well as new address.

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Farmers' Bulletins	Leaflets	Other publications

1890. Diseases and parasites of sheep and goats. Part 6. Pp. 829-929; Foot rot of sheep. M. S. Shahan. Pp. 829-834; Sore mouth of sheep and goats. M. S. Shahan. Pp. 835-838; Miscellaneous diseases of sheep and goats. M. S. Shahan. Pp. 839-858; Internal parasites of sheep and goats. G. Dikmans and D. A. Shorb. Pp. 859-903; Sheep scab and its control. A. W. Miller. Pp. 904-911; Sheep ticks. Marion Imes and O. G. Babcock. Pp. 912-916; Goat lice. O. G. Babcock and Emory C. Cushing. Pp. 917-922; Pregnancy disease of sheep. M. S. Shahan. Pp. 923-926. Lung disease of sheep. G. T. Creech. Pp. 927-929.

1892. Common diseases and parasites of dogs and cats. Part 8. Pp. 1109-1215; Rabies and its control. H. W. Schoening. Pp. 1109-1123; Distemper of dogs. C. D. Stein. Pp. 1124-1129; Feline enteritis. C. D. Stein. Pp. 1130-1133; Miscellaneous diseases of dogs and cats. C. D. Stein. Pp. 1134-1149; Internal parasites of dogs and cats. Emmett W. Price and Paul D. Harwood. Pp. 1150-1173; Mange of dogs. Emmett W. Price and F. C. Bishopp. Pp. 1174-1179; Ticks affecting dogs. F. C. Bishopp and Carroll N. Smith. Pp. 1180-1187; Fleas. F. C. Bishopp. Pp. 1188-1192; Running fits (Fright disease). C. D. Stein. Pp. 1193-1195; Non-parasitic skin diseases of dogs and cats. C. D. Stein. Pp. 1196-1202; Nutritional diseases of dogs and cats. I. P. Earle. Pp. 1203-1215.

1893. Diseases of wildlife and their relationship to domestic livestock. J. E. Shillinger. Pp. 1217-1225.

#### OTHER PUBLICATIONS

BAE-EXT flier-6 Farm horses and mules will help win. Folder.

Index-catalogue of medical and veterinary zoology. Part 6. Authors: G to Gyser. Albert Hassall, Mildred A. Doss, Ruth M. Taylor, Gertrude B. Carson, and Dorothy B. Segal, Bureau of Animal Industry. Pp. 1459-1754. Price 40¢.

#### PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

**Agricultural situation.** Vol. 26, No. 9, August 1942. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.<sup>1</sup>

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

**Agriculture decisions.** Vol. 1, No. 5, May 1 to May 31, 1942. Price 15¢ a copy; \$1.50 a year.<sup>1</sup>

To make available to interested persons, in an orderly and accessible form, decisions issued under regulatory laws administered in the Department.

**Experiment station record.** Vol. 87, No. 2, August 1942. Price \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign.<sup>1</sup> Single numbers for sale only. Price 15¢.

A technical review of scientific literature pertaining to agriculture.

**Extension service review.** Vol. 13, No. 7, July 1942. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.40 a year, foreign.<sup>1</sup>

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Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

**Fire control notes.** Vol. 6, No. 3, July 1942. Price 15¢ a copy; 50¢ a year, domestic.<sup>1</sup> Last issue. Discontinued for duration.

A quarterly periodical devoted to the technique of fire control. The articles deal with fire research or fire control management; theory, relationships, prevention, equipment, detection, communication, transportation, cooperation, planning, organization, personnel management, training, fire-fighting methods of reporting, and statistical systems.

**Foreign agriculture.** Vol. 6, No. 7, July 1942. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.60 a year, foreign.<sup>1</sup>

A 48-page monthly periodical containing articles on foreign government policies relating to agriculture, foreign agricultural production and international trade in agricultural products. The articles in general are the result of special research or field investigations conducted by the office staff or commodity specialists of the Office of Foreign Agricultural Relations. Designed primarily for those who are interested in following changes in foreign policies as they affect agriculture.

**Journal of agricultural research.** Price \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢ foreign.<sup>1</sup> Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

**Separates.** A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. The Office of Information has none for general distribution.

— Vol. 65, No. 1. July 1, 1942. Illus.

Contents:

**Stomach worm (*Haemonchus contortus*) infection in lambs and its relation to gastric hemorrhage and general pathology (A-211).** John S. Andrews.

**Arrangement of the tissues by which the cow's udder is suspended (I-29).** W. W. Swett, P. C. Underwood, C. A. Matthews, and R. R. Graves.

**A micrurgical study of crown gall infection in tomato (Cornell) -52).** E. M. Hildebrand.

— Vol. 65, No. 2. July 15, 1942. Illus.

Contents:

**Electrocardiograph studies in normal dairy cattle (Mich.-37).** B. V. Alfredson and J. F. Sykes.

**Pythium disease of fibrous-rooted begonia and its control (Calif.-128).** John T. Middleton, C. M. Tucker, and C. M. Tompkins.

**Methods of splitting hevea seedlings (G-1262).** H. F. Loomis.

**Rural electrification news.** Vol. 7, No. 11, July 1942. Price 10¢ a copy; 75¢ year, domestic; \$1.50 a year, foreign.<sup>1</sup>

Issued monthly by the Rural Electrification Administration. A summary of rural electrification activities and a clearing house for interchange of information pertaining to utilization of electric power in farm tasks.

**Soil conservation.** Vol. 8, No. 1, July 1942. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

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## MONTHLY LIST OF PUBLICATIONS U. S. Department of Agriculture

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This monthly list will be sent free on request made to the Office of Information, U. S. Department of Agriculture, Washington, D. C.

### FARMERS' BULLETINS

**Winter legumes for green manure in the Cotton Belt.** Roland McKee, Bureau of Plant Industry, and A. D. McNair, Bureau of Agricultural Economics. 20 p., illus. (F. B. 1663F., rev.) Price 10¢.

**Care of damaged shade trees.** Rush P. Marshall, Bureau of Plant Industry. 34 p., illus. (F. B. 1896F.) Price 10¢.

**Insect pests of stored rice and their control.** August I. Balzer, Bureau of Entomology and Plant Quarantine. 22 p., illus. (F. B. 1906F.) Price 5¢.

**Equipment and methods for harvesting farm woodland products.** C. J. Telford, Forest Service. 25 p., illus. (F. B. 1907F.) Price 5¢.

### TECHNICAL BULLETINS

**Classification of wheat varieties grown in the United States in 1939.** J. Allen Clark and B. B. Bayles, Bureau of Plant Industry. 146 p., illus. (T. B. 795T.) Price 35¢.

**Factors affecting temperatures in southern farmhouses.** Joseph W. Simons, Bureau of Agricultural Chemistry and Engineering, and Frank B. Lanham, University of Georgia. 78 p., illus. (T. B. 822T.) Price 15¢.

**Controlling corn and hog supplies and prices.** Geoffrey Shepherd, Bureau of Agricultural Economics. 82 p., illus. (T. B. 826T.) Price 15¢. Restricted distribution.

**Economic management of western white pine forests.** Kenneth P. Davis, Forest Service. 78 p., illus. (T. B. 830T.) Price 20¢.

**Effect of homogenization on the curd tension, digestibility, and keeping quality of milk.** C. J. Babcock, Bureau of Dairy Industry. 24 p., illus. (T. B. 832T.) Price 5¢.

### CIRCULARS

**Distribution of the varieties and classes of wheat in the United States in 1939.** J. Allen Clark and K. S. Quisenberry, Bureau of Plant Industry. 75 p., illus. (Cir. 634C.) Price 15¢.

**Studies on the prevalence of the European corn borer in the East North Central States.** A. M. Vance, Bureau of Entomology and Plant Quarantine. 24 p., illus. (Cir. 649C.) Price 5¢.

**Effects of artificially drying seed cotton on certain quality elements of cottonseed in storage.** Ralph A. Rusca and Francis L. Gerdes, Agricultural Marketing Administration. 19 p., illus. (Cir. 651C.) Price 5¢.

**Relative resistance of tomato varieties, selections, and crosses to defoliation by *Alternaria* and *Stemphylium*.** C. F. Andrus, G. B. Reynard, and B. L. Wade, Bureau of Plant Industry. 23 p., illus. (Cir. 652C.)

**Cross-section-area method for determining density of wool fibers.** John I. Hardy and Harold W. Wolf, Bureau of Animal Industry. 10 p., illus. (Cir. 654C.) Price 5¢.

**Basis for judging subalpine grassland ranges of Oregon and Washington.** G. D. Pickford and Elbert H. Reid, Forest Service. 38 p., illus. (Cir. 655C.) Price 10¢.



**Wound dressings on apple trees.** J. S. Cooley, Bureau of Plant Industry. 19 p., illus. (Cir. 656C.) Price 5¢.

**Irrigation of sugar beets grown for seed.** Charles Price, Bureau of Plant Industry, and M. R. Huberty, University of California. 7 p. (Cir. 658C.) Price 5¢.

**Handling apples from tree to table.** D. F. Fisher, Bureau of Plant Industry. 39 p., illus. (Cir. 659C.) Price 15¢.

#### MISCELLANEOUS PUBLICATIONS

**The mosquitoes of the Southeastern States.** W. V. King, G. H. Bradley and T. E. McNeel, Bureau of Entomology and Plant Quarantine. 96 p., illus. (M. P. 336M., rev.) Price 25¢.

**Geographical guide to floras of the world. An annotated list with special references to useful plants and common plant names. Part 1. Africa, Australia, North America, South America, and Islands of the Atlantic, Pacific, and Indian Oceans.** S. F. Blake, Bureau of Plant Industry, and Alice C. Atwood, Library. 336 p. (M. P. 401M.) Price 75¢ (Buckram). Restricted distribution.

**The Central American species of *Quercus*.** Cornelius H. Muller, Bureau of Plant Industry. 216 p., illus. (M. P. 477M.) Price \$1.00 (Buckram). Restricted distribution.

**War and farm work.** Robert C. Tetro and Martin R. Cooper, Bureau of Agricultural Economics. 21 p., illus. (M. P. 492M.) Price 10¢.

**More milk for more children.** Agricultural Marketing Administration. [8] p., illus. (M. P. 493M.)

**Using crop residues for soil defense.** F. L. Duley, Soil Conservation Service, and J. C. Russel, University of Nebraska. 16 p., illus. (M. P. 494M.) Price 5¢.

**Plant-growth regulators.** John W. Mitchell and Ruby R. Rice, Bureau of Plant Industry. 75 p., illus. (M. P. 495M.) Price 20¢. Restricted distribution.

**Wartime farming on the northern Great Plains.** Harry L. Carr, Soil Conservation Service. 19 p., illus. (M. P. 497M.)

#### SERVICE AND REGULATORY ANNOUNCEMENTS

**Developments in cotton standardization and related services.** Service and regulatory announcements No. 163. Agricultural Marketing Administration. 26 p. (S. R. A.-A. M. A. 163).<sup>1</sup>

**Order amending regulations relating to meat inspection.** Bureau of Animal Industry. 1 p. (Amdt. 16, B. A. I. Order 211, rev.)<sup>1</sup>

**Bureau of Animal Industry. Service and regulatory announcements.** June 1942. Pp. 45-52. (S. R. A.-B. A. I. 422.) Price 5¢ each, 25¢ a year.<sup>2</sup>

**Japanese beetle quarantine.** Part 301. Domestic quarantine notices. Chapter III. Bureau of Entomology and Plant Quarantine. 13 p. Effective 1942. (B. E. P. Q.-Q. 48).<sup>1</sup>

**Bureau of Entomology and Plant Quarantine. Service and regulatory announcements.** January-March 1942. Pp. 1-27. (S. R. A.-B. E. P. Q. No. 150).<sup>1</sup>

#### AGRICULTURAL WAR INFORMATION

2. **Vitamins from farm to you. Food for freedom.** Bureau of Home Economics. (AWI-2.) Folder.

3. **Fight food waste in the home. Food for freedom.** Bureau of Home Economics. (AWI-3). Folder.

#### THE FARMER AND THE WAR

An emergency series of publications which discuss in nontechnical language economic problems of the farmer primarily in relation to wartime conditions.

3. **Farmers and a stable economy.** The Farmer and the War. 10 p. Price 5¢.

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Farmers' Bulletins	Leaflets	Other publications

OTHER PUBLICATIONS

Erosion and related land use conditions on the Box Elder Creek Project, Nebraska. H. C. Mortlock and R. D. Greenawalt, Soil Conservation Service. 34 p., illus. (E. S. No. 22.) Price 20¢. For sale only.<sup>2</sup>

Keeping livestock healthy. Yearbook of Agriculture, 1942. 1276 p., illus. Price \$1.75 (Buckram).

Plant material introduced by the Division of Plant Exploration and Introduction, Bureau of Plant Industry, April 1 to June 30, 1937 (Nos. 123342 to 124625). 55 p. (Inv. No. 131) ; July 1 to September 30, 1937 (Nos. 124626 to 124968). 17 p. (Inv. No. 132).<sup>1</sup>

Potatoes in low-cost meals. Agricultural Marketing Administration. [Folder.] Price \$1.00 per 100 copies.

Root vegetables in low-cost meals. Agricultural Marketing Administration. [Folder.] \$1.00 per 100 copies.

AGRICULTURAL CONSERVATION AND ADJUSTMENT ADMINISTRATION

ACAA-1. ACAA in brief. M. Clifford Townsend, Agricultural Conservation and Adjustment Administration. [9] p.<sup>1</sup>

ACAA-2. Conservation is a war weapon. Folder.<sup>1</sup>

G-114. Strength is in the land. 8 p.<sup>1</sup>

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 26, No. 8, June 1942. Price 5¢ a copy ; 50¢ a year, domestic ; 70¢ a year, foreign.<sup>2</sup>

Agriculture in the Americas. Vol. 2, No. 8, August, 1942. Illus. Price 10¢ a copy ; 75¢ a year, domestic ; \$1.20 a year, foreign.<sup>2</sup>

Crops and markets. Vol. 19, No. 6, July 1942. Price 10¢ a copy ; 30¢ a year, domestic ; 45¢ a year, foreign.<sup>2</sup>

Experiment station record. Vol. 87, No. 3, September 1942. Price \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index ; \$1.75 per volume, foreign. Single numbers for sale only. Price 15¢.<sup>2</sup>

Extension service review. Vol. 13, No. 8, August 1942. Illus. Price 10¢ a copy ; \$1.00 a year, domestic ; \$1.40 a year, foreign.<sup>2</sup>

Foreign agriculture. Vol. 6, No. 8, August 1942. Illus. Price 10¢ a copy ; \$1.00 a year, domestic ; \$1.60 a year, foreign.<sup>2</sup>

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**Journal of agricultural research.** Price \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.<sup>2</sup> Not distributed free to individuals.

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Vol. 65, No. 3. August 1, 1942. Illus. Contents:

The seasonal vertical distribution of wireworms in the soil in relation to their control in the Pacific Northwest (K-317). E. W. Jones and F. H. Shirck.  
*Cytospora abietis*, the cause of a canker of true firs in California and Nevada (G-1254). Ernest Wright.  
Some Mendelian characters in *Beta vulgaris* and linkages observed in the Y-R-B group (G-1261). F. V. Owen and George K. Ryser.

Vol. 65, No. 4. August 15, 1942. Illus. Contents:

Nitrogen fixation by *Azotobacter* as influenced by molybdenum and vanadium (G-1260). C. Kenneth Horner, Dean Burk, Franklin E. Allison, and Mildred S. Sherman.  
Effects of some mild forms of mosaic on potato and a few other plants (Vt.-7). Winona E. Stone.  
Variability of eroded material (Key S-4). C. S. Slater and E. A. Carleton.

**Rural electrification news.** Vol. 7, No. 12, August 1942. Price 10¢ a copy; 75¢ year, domestic; \$1.50 a year, foreign.<sup>2</sup>

**Soil conservation.** Vol. 7, Index; Vol. 8, No. 2, August 1942. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.<sup>2</sup>

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### FARMER'S BULLETINS

**Cover crops for soil conservation.** Walter V. Kell, Soil Conservation Service, and Roland McKee, Bureau of Plant Industry. 14 p., illus. (F. B. 1758F., rev.) Price 5¢.

**Potato production in the Southern States.** E. L. LeClerc, Bureau of Plant Industry. 44 p., illus. (F. B. 1904F.) Price 10¢.

**Snap beans for marketing, canning, and freezing.** B. L. Wade, Bureau of Plant Industry. 14 p., illus. (F. B. 1915F.) Price 5¢.

### LEAFLETS

**Protecting market sweet corn from the European corn borer.** W. A. Baker, D. D. Questel, C. H. Batchelder, Bureau of Entomology and Plant Quarantine. 7 p., illus. (Leaf. 225L.) Price 5¢.

**The home fruit garden in the northeastern and north Central States.** Bureau of Plant Industry, with the collaboration of horticulturists of the States in the region. 8 p., illus. (Leaf. 227L.) Price 5¢.

**Nodular worm disease of sheep.** M. P. Sarles and A. O. Foster, Bureau of Animal Industry. 6 p., illus. (Leaf. 228L.) Price 5¢.

### TECHNICAL BULLETINS

**Further studies on the removal of spray residues from eastern-grown apples.** M. H. Haller, Bureau of Plant Industry, and C. C. Cassil, Bureau of Entomology and Plant Quarantine, Edwin Gould, West Virginia Agricultural Experiment Station, and A. L. Schrader, Maryland Agricultural Experiment Station. 32 p., illus. (T. B. 828T.) Price 10¢.

**Effects of partial defoliation at transplanting time on subsequent growth and yield of lettuce, cauliflower, celery, peppers, and onions.** James E. Kraus, Bureau of Plant Industry. 35 p., illus. (T. B. 829T.) Price 10¢.

**Velvetbeans, cottonseed meal, and peanut meal as protein feeds for fattening steers in the Coastal Plain area.** Earl W. McComas and James R. Douglas, Bureau of Animal Industry, and Byron L. Southwell, Georgia Coastal Plain Experiment Station. 12 p., illus. (T. B. 831T.) Price 5¢.

### CIRCULARS

**Mineral-oil treatment of sweet corn for earworm control.** George W. Barber, Bureau of Entomology and Plant Quarantine. 16 p., illus. (Cir. 657C.) Price 5¢.

### MISCELLANEOUS PUBLICATIONS

**Farms the rains can't take.** Kenneth Davis, and Orville E. Hays, Soil Conservation Service. 14 p., illus. (M. P. 394M., rev.) Price 5¢.

**A revision of the North American species of Buprestid beetles belonging to the tribe Chrysobothrini.** W. S. Fisher, Bureau of Entomology and Plant Quarantine. 275 p., illus. (M. P. 470M.) Price 30¢. Not available for general distribution.



- Cotton or boll weevils.** J. L. Webb, Bureau of Entomology and Plant Quarantine. 16 p., illus. (M. P. 484M.) Price 10¢.
- Seedtime and harvest today.** Reginald G. Hainsworth, Oliver E. Baker, and Albert P. Brodell. 97 p., illus. (M. P. 485M.) Price 25¢.
- Wartime farming on the southern Great Plains.** Soil Conservation Service. [11] p., illus. (M. P. 496M.) Price 10¢.
- Experiment station research on war problems in the home.** Sybil L. Smith and Georgian Adams, Office of Experiment Stations. 36 p. (M. P. 503M.) Price 10¢.

#### SERVICE AND REGULATORY ANNOUNCEMENTS

- Bureau of Animal Industry. Service and regulatory announcements, July 1942.** Pp. 53-60. (S. R. A.-B. A. I. 423.) Price 5¢ each, 25¢ a year.<sup>1</sup>
- Bureau of Entomology and Plant Quarantine. Index to service and regulatory announcements, 1941.** Issued October 1941. 3 p. (S. R. A.-B. E. P. Q. Index, 1942.)<sup>2</sup>

#### SOIL SURVEYS

- California, Pixley area.** (No. 23, Series 1935.) 113 p. illus. Price 40¢.
- New York, Albany and Schenectady Counties.** (No. 16, Series 1936.) 79 p., illus. Price 45¢.
- Rhode Island, Newport and Bristol Counties.** (No. 18, Series 1936.) 65 p., illus. Price, 40¢.
- Utah-Arizona, Virgin River Valley area.** (No. 13, series 1936.) 67 p., illus. Price 35¢.

#### AGRICULTURAL ADJUSTMENT ADMINISTRATION

- G-116. The Americas.** Folder.<sup>2</sup>

#### FARM CREDIT ADMINISTRATION

- Selling fresh fruits and vegetables cooperatively.** J. H. Heckman, Farm Credit Administration. 78 p., illus. (Bull. 49.) Price 15¢.

#### REPRINTS FROM THE 1942 YEARBOOK

1872. **Protective mechanisms against disease.** Adolph Eichhorn, Merritt P. Series, and N. R. Ellis. Pp. 138-154. Price 5¢.
1878. **Regulatory activities in animal-disease control.** A. W. Miller, S. O. Fladness, A. E. Wight, D. I. Skidmore, E. C. Joss, and H. E. Moskey. Pp. 209-226. Price 5¢.
1880. **Tuberculosis and its eradication.** A. E. Wight, Elmer Lash, H. M. O'Rear, and A. B. Crawford. Pp. 237-249. Price 5¢.
1883. **Parasites and insects affecting livestock.** Benjamin Schwartz and F. C. Bishopp. Pp. 276-294. Price 5¢.
1885. **Nutritional diseases of farm animals.** Louis L. Madsen. Pp. 323-353. Price 10¢.
1887. **Common diseases and parasites of horses and mules. Part 3.** Pp. 375-500. **Equine encephalomyelitis.** L. T. Giltner and M. S. Shahan. Pp. 375-391; **Equine infectious anemia, or swamp fever.** C. D. Stein. Pp. 392-401; **Periodic ophthalmia of horses.** L. O. Mott and H. R. Seibold. Pp. 402-408; **Glanders.** T. W. Cole. Pp. 409-412; **Dourine.** T. W. Cole. Pp. 413-416; **Miscellaneous diseases of equines.** L. O. Mott, M. S. Shahan, L. T. Giltner, and A. H. Frank. Pp. 417-458; **Internal parasites of horses and mules.** Aurel O. Foster. Pp. 459-475; **Mange in equines.** Marion Imes. Pp. 476-481; **Horse bots and their control.** F. C. Bishopp and Benjamin Schwartz. Pp. 482-491; **Some insect pests of horses and mules.** F. C. Bishopp. Pp. 492-500. Price 20¢.
1888. **Diseases and parasites of cattle. Part 4.** Pp. 501-672; **Brucellosis of cattle.** Elmer Lash and H. M. O'Rear; pp. 501-511; **Johne's disease.** B. T. Simms, William M. Mohler, and H. W. Johnson. Pp. 512-517; **Bovine mastitis.** W. T. Miller. Pp. 518-522; **Blackleg.** William M.

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<sup>2</sup> These may be obtained free upon application to the issuing bureau.



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Farmers' Bulletins	Leaflets	Other publications

- Mohler. Pp. 523-525; **Shipping fever, or hemorrhagic septicemia.** C. D. Stein. Pp. 526-532; **Milk fever.** L. T. Giltner. Pp. 533-536; **Miscellaneous diseases of cattle.** G. T. Creech, R. L. Knudson, and O. L. Osteen. Pp. 537-564; **Cattle coccidiosis.** Donald C. Boughton. Pp. 565-571; **Cattle tick fever.** W. M. MacKellar. Pp. 572-578; **Anaplasmosis: A disease of cattle.** George W. Stiles. Pp. 579-587; **Cattle scab and its control.** Rudolph Snyder. Pp. 583-592; **Tapeworm and roundworm parasites of cattle.** Dale A. Porter. Pp. 593-604; **Bovine genital trichomoniasis.** G. Dikmans. Pp. 605-611; **Cattle grubs, or heel flies.** E. W. Laake, F. C. Bishopp, and R. W. Wells. Pp. 612-619; **The stable-fly.** F. C. Bishopp and E. W. Laake. Pp. 620-625; **The horn fly.** W. G. Bruce. Pp. 626-630; **Cattle lice.** O. G. Babcock and E. C. Cushing. Pp. 631-635; **Cattle injuries caused by ingesting foreign objects.** L. T. Giltner and John A. Patton. Pp. 636-641; **Paint poisoning in cattle.** L. T. Giltner. Pp. 642-644; **Nutritional diseases of cattle.** Louis L. Madsen. Pp. 645-672. Price 20¢.
1891. **Common diseases and parasites of poultry.** Part 7. Pp. 931-1107. **Pul-lorum disease.** Hubert Bunyea. Pp. 931-943; **Fowl paralysis and other forms of the avian leukosis complex.** C. A. Brandly, Nelson F. Waters, and W. J. Hall. Pp. 944-962; **Respiratory diseases of chickens and turkeys.** W. J. Hall. Pp. 963-976; **Fowl pox (diphtheria).** Hubert Bunyea. Pp. 977-986; **Psittacosis.** K. F. Meyer. Pp. 987-992; **Mis-cellaneous diseases of poultry.** Hubert Bunyea. Pp. 993-1006; **Internal parasites of poultry.** Everett E. Wehr and John F. Christensen. Pp. 1007-1040; **Coccidiosis of the chicken.** John F. Christensen and Ena A. Allen. Pp. 1041-1047; **Poultry lice and their control.** F. C. Bishopp. Pp.1048-1054; **Poultry mites.** F. C. Bishopp. Pp. 1055-1061; **The fowl tick.** F. C. Bishopp. Pp. 1062-1067; **Bedbugs as pests of poultry.** E. A. Back and F. C. Bishopp. Pp. 1068-1071; **The pigeon fly.** F. C. Bishopp. Pp. 1072-1074; **Nutritional diseases of poultry.** Harry W. Titus. Pp. 1075-1107. Price 25¢.

OTHER PUBLICATIONS

- D-4. **Group discussion and its techniques; a bibliographical review.** Bureau of Agricultural Economics 57 p., illus. Price 10¢.
- Community school lunches.** Agricultural Marketing Administration. Folder.<sup>1</sup>
- On the home front with AMA food programs.** Agricultural Marketing Admin-istration. 8 p. Price
- Report on the agricultural experiment stations, 1941.** J. T. Jardine and H. L. Knight. 128 p. Price 15¢.
- Special report on diseases of cattle.** V. T. Atkinson, William Dickson, W. H. Harbaugh, James Law, W. H. Lowe, John R. Mohler, A. J. Murray, Leonard Pearson, B. H. Ransom, and M. R. Trumbower. 507 p., illus. Revision 1942. Price \$1.75 (Buckram.) For sale only.
- The 9th annual report of the Farm Credit Administration 1941.** A. G. Black. 273 p. Price 30¢ (paper).

<sup>1</sup> These may be obtained free upon application to the issuing bureau.



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**Agricultural situation.** Vol. 26, No. 9, September 1942. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.<sup>1</sup>

**Agriculture in the Americas.** Vol. 2, No. 9, September 1942. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.20 a year, foreign.<sup>1</sup>

**Experiment station record.** Vol. 87, No. 4, October 1942. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign.<sup>1</sup> Single numbers for sale only. Price 15¢.

**Foreign agriculture.** Vol. 6, No. 9, September 1942. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.60 a year, foreign.<sup>1</sup>

**Journal of agricultural research.** Price \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.<sup>1</sup> Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

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— Vol. 64. Index, January 1–June 15, 1942.

— Vol. 65, No. 5, September 1, 1942. Illus. Contents:

**Influence of controlled environment and nutrition on the resistance of garden pea to fusarium wilt (Wis.-133).** Wilbur T. Schroeder and J. C. Walker.

**Influence of heredity and other factors on 180-day weight in Poland China swine (Iowa-32).** J. A. Wheatley, Jr.

— Vol. 65, No. 6, September 15, 1942. Illus. Contents:

**The effects of leafhopper feeding injury on apparent photosynthesis and transportation of apple leaves (Ind.-30).** G. Edward Marshall, N. F. Childers, and Howard W. Brody.

**Effect of erosion on fertility changes in the Shelby loam profile (S-3).** D. M. Whitt and C. L. W. Swanson.

**Factors affecting distribution and severity of black root rot of apple trees (G-1265).** J. S. Cooley.

**Land policy review.** Vol. 5, No. 7, Fall 1942. Price 10¢ a copy; 30¢ a year, domestic;<sup>1</sup> 45¢ a year, foreign. (Quarterly.)

**Rural electrification news.** Vol. 8, No. 1, September 1942. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

**Soil conservation.** Vol. 8, No. 3, September 1942. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

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#### FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

**Scab of wheat and barley and its control.** James G. Dickson, Bureau of Plant Industry. 22 p., illus. (F. B. 1599F., rev.) Price 10¢.

**More food through conservation farming.** Arthur T. Semple, Soil Conservation Service, in collaboration with other subject-matter specialists. 54 p., illus. (F. B. 1909F.) Price 10¢.

**Diseases of swine.** Charles G. Grey and C. N. Dale, Bureau of Animal Industry. 32 p., illus. (F. B. 1914F.) Price 10¢.

#### DEPARTMENT BULLETINS

The Department Bulletins are technical or scientific in nature and apply to a special crop, industry, or locality. This series ends with No. 1500, and is succeeded by the Technical Bulletin series. The editions are limited.

**Market classes and grades of livestock.** Agricultural Marketing Administration. 30 p., illus. (D. B. 1360D., rev.) Price 10¢.

#### TECHNICAL BULLETINS

The Technical Bulletin series contains the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

**Chemical and physical properties of some of the important alluvial soils of the Mississippi drainage basin.** R. S. Holmes and W. E. Hearn, Bureau of Plant Industry. 82 p., illus. (T. B. 833T.) Price 20¢.

**Morphology and composition of some soils of the Miami family and the Miami catena.** Irvin C. Brown and James Thorp, Bureau of Plant Industry. 55 p., illus. (T. B. 834T.) Price 10¢.

**Experiments toward the control of the take-all disease of wheat and the phy-matotrichum root rot of cotton.** Francis E. Clark, Bureau of Plant Industry. 27 p., illus. (T. B. 835T.) Price 10¢.

**Litter size and weight as permanent characteristics of sows.** Jay L. Lush and A. E. Molln, Bureau of Animal Industry. 40 p., illus. (T. B. 836T.) Price 10¢.

#### CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

**American tobacco types, uses, and markets.** Charles E. Gage, Agricultural Marketing Administration. 129 p., illus. (Cir. 249C., rev.) Price 30¢.

**Industrial fumigation against insects.** E. A. Back and R. T. Cotton, Bureau of Entomology and Plant Quarantine. 64 p., illus. (Cir. 369C., rev.) Price 10¢.



**Factors affecting the usefulness of honeybees in pollination.** Geo. H. Vansell, Bureau of Entomology and Plant Quarantine. 32 p., illus. (Cir. 650C.) Price 10¢.

**Cooperative tests of sweetpotato varieties, introductions, and seedlings for starch production and market purposes.** C. E. Steinbauer, L. L. Harter, George P. Hoffman, and J. McD. McCown, Bureau of Plant Industry; R. M. Kingsbury, Bureau of Agricultural Chemistry and Engineering, W. S. Anderson, Mississippi Agricultural Experiment Station and H. T. Cook, Virginia Truck Experiment Station; and in cooperation with South Carolina Agricultural Experiment Station. 42 p., illus. (Cir. 653C.) Price 10¢.

#### SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. Free distribution is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

**Bureau of Animal Industry. Service and regulatory announcements.** August 1942. Agricultural Research Administration. Pp. 61-71. (S. R. A.-B. A. I. 424.) Price 5¢ a copy, 25¢ a year.<sup>1</sup>

**The Mexican border regulations.** Effective September 8, 1942. Bureau of Entomology and Plant Quarantine. 3 p. (B. E. P. Q.-Mex. Border Regs.)<sup>2</sup>

**Bureau of Entomology and Plant Quarantine. Service and regulatory announcements.** April-June 1942. Pp. 29-48. (S. R. A.-B. E. P. Q. No. 151).<sup>2</sup>

#### SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area.

**New York, Seneca County.** (No. 14, Series 1936). 68 p., illus. Price 50¢.

**North Carolina, Warren County.** (No. 2, Series 1938). 37 p., illus. Price 35¢.

#### OTHER PUBLICATIONS

**A handbook for better feeding of livestock.** Paul E. Howe, and Harold M. Harshaw, Bureau of Animal Industry; and T. E. Woodward, Bureau of Dairy Industry. 71 p., illus. (M. C. 12C, rev.) Price 10¢.

**Dried beans and peas in low cost meals.** Agricultural Marketing Administration. 8 p. [Folder.] Price \$1.00 per 100 copies.

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Farmers' Bulletins	Leaflets	Other publications

AGRICULTURAL WAR INFORMATION

An emergency series of publications which discuss in nontechnical language food production, nutrition, and related subjects pertaining to development of the Food for Freedom program.

- 4. **How to make your refrigerator last longer.** Bureau of Home Economics and Office of Price Administration. (AWI-4.) Folder. Price \$1.00 per hundred.
- 5. **When you eat out.** Food for freedom. Bureau of Home Economics. (AWI-5.) Folder. Price \$1.00 per hundred.

THE FARMER AND THE WAR

An emergency series of publications which discuss in nontechnical language economic problems of the farmer primarily in relation to wartime conditions.

- 4. **State and local government finance in wartime.** The Farmer and the War. 6 p., illus. Price 5¢.

PERIODICALS

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**Agricultural situation.** Vol. 26, No. 10, October 1942. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.<sup>1</sup>

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

**Agriculture decisions.** Vol. 1, No. 6, June 1942. Price 15¢ a copy; \$1.50 a year.<sup>1</sup>

To make available to interested persons, in an orderly and accessible form, decisions issued under regulatory laws administered in the Department.

**Agriculture in the Americas.** Vol. 2, No. 10, October 1942. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.20 a year, foreign.<sup>1</sup>

This monthly publication of 16 pages is designed to present in popular style agricultural developments in the Western Hemisphere particularly as they affect the economic relations of the American Republics. The subject matter covers various phases of inter-American trade, as well as agricultural items of importance in the program for Hemisphere defense.

**Experiment station record.** Vol. 87, No. 5, November 1942. Price \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price 15¢.<sup>1</sup>

A technical review of scientific literature pertaining to agriculture.

**Foreign agriculture.** Vol. 6, No. 10, October 1942. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.60 a year, foreign.<sup>1</sup>

A 48-page monthly periodical containing articles on foreign government policies relating to agriculture, foreign agricultural production and international trade in agricultural products. The articles in general are the result of special research or field investigations conducted by the office staff or commodity specialists of the Office of Foreign Agricultural Relations. Designed primarily for those who are interested in following changes in foreign policies as they affect agriculture.

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Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

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— Vol. 65, No. 7. October 1, 1942. Illus. Contents:

Effect of nutrients, media and growth substances on the growth of the Cabot variety of *Vaccinium corymbosum* (S-2). Amihud Kramer and A. L. Schrader.

Survival of sheep nematodes in pastures (A-212). Doys A. Shorb.

Collar rot resistance in tomatoes (G-1264). C. F. Andrus, G. B. Reynard, Hans Jorgensen, and Jack Eades.

Alkaloids in certain species and interspecific hybrids of *Nicotiana* (G-1266). Harold H. Smith and Claude R. Smith.

— Vol. 65, No. 8. October 15, 1942. Illus. Contents:

Development of the pistillate flower and structure of the fruit of tung (*Aleurites fordii*) (G-1263). Lewis P. McCann.

Measures of growth rate for use in swine selection (Minn.-121). R. E. Comstock, L. M. Winters, P. S. Jordan, and O. M. Kiser.

Production of active and inactive catalase by *Proteus vulgaris* (E-94). T. L. Swenson, and Harry Humfeld.

**Rural electrification news.** Vol. 8, No. 2, October 1942. Price 10¢ a copy; 75¢ year, domestic; \$1.50 a year, foreign.<sup>1</sup>

Issued monthly by the Rural Electrification Administration. A summary of rural electrification activities and a clearing house for interchange of information pertaining to utilization of electric power in farm tasks.

**Soil conservation.** Vol. 8, No. 4, October 1942. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

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FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

**Beef cattle for breeding purposes.** James R. Douglas, Bureau of Animal Industry. 18 p., illus. (F. B. 1916F.) Price 5¢.

LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins except that the Leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

**The pepper weevil.** J. C. Elmore, Bureau of Entomology and Plant Quarantine. 8 p., illus. (Leaf. 226L.) Price 5¢.

**Make-overs from men's suits.** Clarice L. Scott, Bureau of Home Economics. 8 p., illus. (Leaf. 230L.) Price 5¢.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

**Controlling coastal sand dunes in the Pacific Northwest.** Willard T. McLaughlin and Robert L. Brown, Soil Conservation Service. 46 p., illus. (Cir. 660C.) Price 10¢.

**The farm real estate situation 1939-40, 1940-41, and 1941-42.** M. M. Regan and A. R. Johnson, Bureau of Agricultural Economics. 45 p., illus. (Cir. 662C.) Price 10¢.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

**Changes in the National Poultry Improvement Plan.** Bureau of Animal Industry, in cooperation with delegates from participating States at the 1942 conference. (Supplement to M. P. 300, rev. June 1941.) 5 p. Price 5¢.

**Stratified flow in reservoirs and its use in prevention of silting.** Hugh Stevens Bell, Soil Conservation Service. 46 p., illus. (M. P. 491M.) Price 10¢.

**Factors influencing the nutritive value of the tomato.** A review of the literature. K. C. Hamner and L. A. Maynard, Bureau of Plant Industry. 23 p. (M. P. 502M.) Price 5¢.

**Day length and crop yields.** M. W. Parker and H. A. Borthwick, Bureau of Plant Industry. 22 p., illus. (M. P. 507M.) Price 5¢.



## SERVICE AND REGULATORY ANNOUNCEMENTS

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**Bureau of Animal Industry. Service and regulatory announcements.** September 1942. Pp. 73-79. (S. R. A.-B. A. I. 425.) Price 5¢ each, 25¢ a year.<sup>1</sup>

**Notices of judgment under the Insecticide Act. Agricultural Marketing Administration.** Pp. 535-542. (N. J., I. F. 1812-1825.)<sup>2</sup>

## SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area.

**California, Wasco area.** (No. 17, Series 1936.) 93 p., illus. Price 55¢.

**North Carolina, Madison County.** (No. 19, Series 1936.) 60 p., illus. Price 50¢.

**Oklahoma, Tulsa County.** (No. 22, Series 1935.) 68 p., illus. Price 40¢.

**Tennessee, Roane County.** (No. 15, Series 1936.) 125 p., illus. Price 45¢.

## RURAL ELECTRIFICATION ADMINISTRATION

Care and use of your electric hot plate. Folder.<sup>2</sup>

Care and use of your electric iron. Folder.<sup>2</sup>

Care and use of your electric range. Folder.<sup>2</sup>

Care and use of your electric refrigerator. Folder.<sup>2</sup>

Care and use of your vacuum cleaner. Folder.<sup>2</sup>

Care and use of your washer. Folder.<sup>2</sup>

## OTHER PUBLICATIONS

**Report of the Chief of the Office of Experiment Stations, 1942.** James T. Jardine. 13 p. Price 5¢.

**Special report on diseases of the horse.** Drs. Pearson, Huidekoper, Michener, Harbaugh, Law, Trumbower, Liautard, Holcombe, Adams, and Mohler, Bureau of Animal Industry. 584 p., illus. Revised edition 1942. Price \$1.75. For sale only.

**The agriculture of Colombia.** Kathryn H. Wylie, Office of Foreign Agricultural Relations. 160 p., illus. (Foreign Agriculture Bull. 1.) Price 20¢. Restricted distribution.

## AGRICULTURAL WAR INFORMATION

An emergency series of publications which discuss in nontechnical language food production, nutrition, and related subjects pertaining to development of the Food for Freedom program.

**How to make your washing machine last longer.** Bureau of Home Economics and Office of Price Administration. (AWI-6.) Folder. Price 5¢; \$1.00 per 100 copies.

**Take care of household rubber.** Bureau of Home Economics and Office of Price Administration. (AWI-7.) Folder. Price 5¢; \$1.00 per 100 copies.

**How to make your gas or electric range last longer.** Bureau of Home Economics and Office of Price Administration. (AWI-8.) Folder. Price 5¢; \$1.00 per 100 copies.

**How to make your ironing equipment last longer.** Bureau of Home Economics and Office of Price Administration. (AWI-11.) Folder. Price 5¢ per copy; \$1.00 per 100 copies.

## PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

**Agricultural situation.** Vol. 26, No. 11, November 1942. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.<sup>1</sup>

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

<sup>2</sup> These may be obtained from the issuing bureau.



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Farmers' Bulletins	Leaflets	Other publications

**Agriculture decisions.** Vol. 1, No. 8, August 1942. Price 15¢ a copy; \$1.50 a year.<sup>1</sup>

To make available to interested persons, in an orderly and accessible form, decisions issued under regulatory laws administered in the Department.

**Agriculture in the Americas.** Vol. 2, No. 11, November; No. 12, December 1942. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.20 a year, foreign.<sup>1</sup>

This monthly publication of 16 pages is designed to present in popular style agricultural developments in the Western Hemisphere, particularly as they affect the economic relations of the American Republics. The subject matter covers various phases of inter-American trade, as well as agricultural items of importance in the program for Hemisphere defense.

**Crops and markets.** Vol. 19, No. 7, October 1942. Price 10¢ a copy; 30¢ a year, domestic; 45¢ a year, foreign.<sup>1</sup>

Statistics concerning crop and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic. Quarterly.

**Experiment station record.** Vol. 87, No. 6, December 1942. Price \$1.00 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price 15¢.<sup>1</sup>

A technical review of scientific literature pertaining to agriculture.

**Extension service review.** Vol. 13, No. 11, November 1942. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.40 a year, foreign.<sup>1</sup>

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

**Foreign agriculture.** Vol. 6, No. 11, November 1942. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.60 a year, foreign.<sup>1</sup>

A 48-page monthly periodical containing articles on foreign government policies relating to agriculture, foreign agricultural production and international trade in agricultural products. The articles in general are the result of special research or field investigations conducted by the office staff or commodity specialists of the Office of Foreign Agricultural Relations. Designed primarily for those who are interested in following changes in foreign policies as they affect agriculture.

**Journal of agricultural research.** Price \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.<sup>1</sup> Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

**Separates.** A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. The Office of Information has none for general distribution.

Vol. 65, No. 9. November 1, 1942. Illus. Contents:

**Awn inheritance in barley.** (Calif.-129). James L. Myler.

**Insect transmission of the virus causing narcissus mosaic.** (K-321). F. S. Blanton and F. A. Haasis.

**Asynaptic *Gossypium* plants and their polyploids.** (Tex.-24). J. O. Beasley and Meta Suche Brown.

**The influence of feeding low-nitrogen rations on the reliability of biological values.** (N. Y. (Cornell)-52). J. I. Miller and F. B. Morrison.

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**Journal of agricultural research.** Vol. 65, No. 10. November 15, 1942. Illus. Contents:

Respiration and oxidase and catalase activity of apples in relation to maturity and storage. (G-1267). Boyce D. Ezell and Fisk Gerhardt.

Factors determining the reduction in yield of field corn by the European corn borer. (K-318). L. H. Patch, G. W. Still, M. Schlosberg, and G. T. Bottger.

Hydrocephalus, a lethal in cattle (Mich.-38). C. L. Cole and L. A. Moore.

Development of synthetic food media for use in nutrition studies of the European corn borer. (K-319). G. T. Bottger.

**Rural electrification news.** Vol. 8, No. 3, November 1942. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

Issued monthly by the Rural Electrification Administration. A summary of rural electrification activities and a clearing house for interchange of information pertaining to utilization of electric power in farm tasks.

**Soil conservation.** Vol. 8, No. 5, November 1942. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

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DECEMBER 1942

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### FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

**Care and repair of mowers and binders.** W. R. Humphries, Bureau of Agricultural Chemistry and Engineering. 20 p., illus. (F. B. 1754F., rev.) Price 5¢.

**Preventing damage to buildings by subterranean termites and their control.** Bureau of Entomology and Plant Quarantine. 37 p., illus. (F. B. 1911F.) Price 10¢.

**Drying foods for victory meals.** Bureau of Home Economics. 14 p., illus. (F. B. 1918F.) Price 10¢.

**Improving range conditions for wartime livestock production.** F. G. Renner and E. A. Johnson, Soil Conservation Service. 18 p., illus. (F. B. 1921F.) Price 10¢.

**A B C's of mending.** Clarice L. Scott, Bureau of Home Economics. 15 p., illus. (F. B. 1925F.) Price 5¢.

### LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins except that the Leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

**The potato leafhopper, a pest of alfalfa in the Eastern States.** F. W. Poos, Bureau of Entomology and Plant Quarantine. 8 p., illus. (Leaf. 229L.) Price 5¢.

### TECHNICAL BULLETINS

The Technical Bulletin series contains the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

**Biology of the narcissus bulb fly in the Pacific Northwest.** Charles F. Doucette, Randall Latta, Charles H. Martin, Ralph Schopp, and Paul M. Eide, Bureau of Entomology and Plant Quarantine. 67 p., illus. (T. B. 809T.)

**Life history, habits, and control of the beanstalk weevil (*Sternechus paludatus*) in the Estancia Valley, New Mexico.** J. G. Shaw and J. R. Douglass, Bureau of Entomology and Plant Quarantine. 36 p., illus. (T. B. 816T.)

**Measurement of evaporation from land and water surfaces.** C. W. Thornthwaite and Benjamin Holzman, Soil Conservation Service. 143 p., illus. (T. B. 817T.) Price 20¢.

**Hibernation of the corn earworm in the central and northeastern parts of the United States.** R. A. Blanchard, Bureau of Entomology and Plant Quarantine. 14 p., illus. (T. B. 838F.) Price 5¢.

### CIRCULARS

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**Owlet moths (Phalaenidae) taken at light traps in Kansas and Nebraska.** H. H. Walkden, Bureau of Entomology and Plant Quarantine, and D. B. Whelan, Nebraska Agricultural Experiment Station. 26 p., illus. (Cir. 643C.) Price 5¢.

**Farm forestry in the Lake States: An economic problem.** Raphael Zon and William A. Duerr, Lake States Forest Experiment Station. 34 p., illus. (Cir. 661C.) Price 10¢.

#### MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

**Slide-film of the U. S. Department of Agriculture.** Price list for 1942-43. Prices subject to change July 1, 1943. (M. P. 506M.) 24 p.

#### SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area.

**Georgia, Dade County.** (No. 20, Series 1936.) 68 p., illus. Price 30¢.

#### SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. Free distribution is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

**Regulations governing appraisal of and compensation for cattle destroyed on account of tuberculosis, paratuberculosis, or Bang's disease (brucellosis).** Effective on and after August 15, 1942. Bureau of Animal Industry. 3 p. (B. A. I. Order 375).<sup>1</sup>

**Bureau of Animal Industry. Service and regulatory announcements.** October 1942. Pp. 81-88. (S. R. A.-B. A. I. 426.); November 1942. Pp. 89-99. (S. R. A.-B. A. I. 427.) Price 5¢ a copy, 25¢ a year.<sup>2</sup>

**Cumulative index to service and regulatory announcements.** Nos. 1 to 149 inclusive. 1914-41, Bureau of Entomology and Plant Quarantine. Maude A. Thompson. 89 p.<sup>1</sup>

**List of intercepted plant pests, 1941.** Service and regulatory announcements. Bureau of Entomology and Plant Quarantine. 50 p.<sup>1</sup>

#### OTHER PUBLICATIONS

**Apple recipes.** Bureau of Home Economics. Rev. 8 p. Folder.

**Forestry in wartime.** Report of the Chief of the Forest Service, 1942. Earle H. Clapp. 23 p. Price 5¢. Free distribution restricted.

**Hydrologic data.** North Appalachian experimental watershed, Coshocton, Ohio, 1940. Soil Conservation Service. 338 p., illus. (H. Bull. 4.) Price 55¢. For sale only.

**Report of the Administrator of the Agricultural Marketing Administration, 1942.** Roy F. Hendrickson. 38 p.<sup>1</sup>

**Report of the Chief of the Bureau of Agricultural Economics, 1942.** Howard R. Tolley. 15 p. Price 5¢.

**Report of the Chief of the Bureau of Animal Industry, 1942.** J. R. Mohler. 46 p. Price 10¢.

**Report of the Chief of the Bureau of Dairy Industry, 1942.** O. E. Reed. 26 p. Price 10¢.

**Report of the Chief of the Bureau of Entomology and Plant Quarantine.** P. N. Annand. 60 p. Price 10¢.

**Report of the Chief of the Bureau of Home Economics, 1942.** Louise Stanley. 12 p. Price 5¢.

**Report of the Chief of the Bureau of Plant Industry, 1942.** Robert M. Salter. 27 p. Price 10¢.

**Report of the Chief of the Office of Plant and Operations, 1942.** Arthur B. Thatcher. 8 p. Price 5¢.

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Farmers' Bulletins	Leaflets	Other publications

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**Report of the Librarian, 1942.** Ralph R. Shaw. 7 p. Price 5¢.

**Report of the President of the Commodity Credit Corporation, 1942.** J. B. Hutson. 24 p. Price 10¢.

**Report of the Puerto Rico Experiment Station, 1941.** Office of Experiment Stations. 24 p. Price 10¢.

**Statistics on receipts and distribution of sugar in the United States 1934-39.** Agricultural Conservation and Adjustment Administration. 69 p. (S. B. 77S.) Price 10¢.

**United States meteorological yearbook, 1938.** Weather Bureau. 154 p., illus. Price 75¢ (buckram). For sale only.

#### AGRICULTURAL WAR INFORMATION

An emergency series of publications which discuss in nontechnical language food production, nutrition, and related subjects pertaining to development of the Food for Freedom program.

**Peanuts for oil.** Agricultural Adjustment Agency. (AWI-9.) Folder.

**Save meat, milk, and leather. Control the cattle grub, a pest which robs farmers of \$50,000,000 every year.** (AWI-12.) Folder.

**Food for Freedom.** Informational handbook, 1943. (AWI-14.)<sup>1</sup>

#### PERIODICALS

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**Experiment station record.** Vol. 88, No. 1, January 1943. Price \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign.<sup>2</sup> Single numbers for sale only. Price 15¢.

A technical review of scientific literature pertaining to agriculture.

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**Journal of agricultural research.** Price \$3.25 a year, domestic; \$4.75 a year, foreign. Each issued, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢ foreign.<sup>2</sup> Not distributed free to individuals.

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**Journal of agricultural research.** Vol. 65, No. 11. December 1, 1942. Illus. Contents:

Inheritance and interrelationship of components of quality, cold resistance, and morphological characters in wheat hybrids. (Ind.-31.) W. W. Worzella.

The response of "ceased" reactors in Bang's disease to reexposure. (Wis.-134.) B. A. Beach, M. R. Irwin, and L. C. Ferguson.

— Vol. 65, No. 12, December 15, 1942. Illus. Contents:

Influence of distribution of rainfall and temperature on corn yields in western Iowa. (M-2.) E. E. Houseman and F. E. Davis.

Resistance of tobacco to bacterial wilt (*Bacterium solanacearum*). (G-1269.) Edward E. Clayton and Thomas E. Smith.

Extent of pathogenicity of hybrids of *Tilletia tritici* and *T. levis*. (G-1272.) C. S. Holton.

**Land policy review.** Vol. 5, No. 8, Winter 1942. Price 10¢ a copy; 30¢ a year, domestic; <sup>2</sup> 45¢ a year, foreign.

Gives information on current developments in land policy and land programs to workers of the Department of Agriculture and cooperating groups. Quarterly.

**Rural electrification news.** Vol. 8, No. 4, December 1942. Price 10¢ a copy; 75¢ year, domestic; \$1.50 a year, foreign.<sup>2</sup>

Issued monthly by the Rural Electrification Administration. A summary of rural electrification activities and a clearing house for interchange of information pertaining to utilization of electric power in farm tasks.

**Soil conservation.** Vol. 8, No. 6, December 1942. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.<sup>2</sup>

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

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